

625-EMD-110

EOSDIS Maintenance and Development Project

Training Material for the EMD Project Volume 10: Archive Processing

Revision --

July 2007

Raytheon Company
Upper Marlboro, Maryland

Training Material for the EMD Project

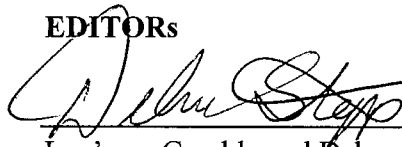
Volume 10: Archive Processing

Revision --

July 2007

Prepared Under Contract NAS5-03098
CDRL Item 23

EDITORS

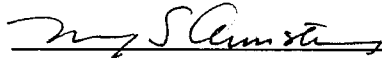


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Date

July 30, 2007

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Preface

This document is a formal contract deliverable. It requires Government review and approval within 45 business days. Changes to this document will be made by document change notice (DCN) or by complete revision.

Any questions should be addressed to:

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Revision History

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Abstract

This is Volume 10 of a series of lessons containing the training material for the Earth Observing System Data and Information System (EOSDIS) Maintenance and Development (EMD) Project. This lesson provides a detailed description of the process required to perform the tasks associated with archive functions.

Keywords: training, instructional design, course objective, archive, AAWin, granule deletion tool, Spatial Subscription Server, Data Pool, Data Pool maintenance, Release 7.20

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Introduction

Identification

Training Material Volume 10 is part of Contract Data Requirements List (CDRL) Item 23, which is a required deliverable under the Earth Observing System Data and Information System (EOSDIS) Maintenance and Development (EMD) Contract (NAS5-03098).

Scope

Training Material Volume 10 describes the process and procedures associated with Archive Processing. It describes archive hardware, software, and data. In addition, it addresses starting and shutting down the tape archive control software, monitoring archive requests, and performing archive management tasks. This lesson is designed to provide the operations staff with sufficient knowledge and information to satisfy all lesson objectives.

Purpose

The purpose of this Student Guide is to provide a detailed course of instruction that forms the basis for understanding data archiving. Lesson objectives are developed and will be used to guide the flow of instruction for this lesson. The lesson objectives will serve as the basis for verifying that all lesson topics are contained within this Student Guide and slide presentation material.

Status and Schedule

This lesson module provides detailed information about training for the current baseline of the system. Revisions are submitted as needed.

Organization

This document is organized as follows:

Introduction:	The Introduction presents the document identification, scope, purpose, and organization.
Related Documentation:	Related Documentation identifies parent, applicable and information documents associated with this document.
Student Guide:	The Student Guide identifies the core elements of this lesson. All Lesson Objectives and associated topics are included. Slide Presentation is reserved for all slides used by the instructor during the presentation of this lesson.

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Related Documentation

Parent Documents

The parent documents are the documents from which the EMD Training Material's scope and content are derived.

423-41-01	Goddard Space Flight Center, EOSDIS Core System (ECS) Statement of Work
423-46-03	EMD Task 101 Statement of Work For ECS SDPS Maintenance
423-46-02	Contract Data Requirements Document for EMD Task 101 ECS SDPS Maintenance

Applicable Documents

The following documents are referenced within this EMD Training Material, or are directly applicable, or contain policies or other directive matters that are binding upon the content of this document:

420-05-03	Goddard Space Flight Center, Earth Observing System (EOS) Performance Assurance Requirements for the EOSDIS Core System (ECS)
423-41-02	Goddard Space Flight Center, Functional and Performance Requirements Specification for the Earth Observing System Data and Information System (EOSDIS) Core System (ECS) (ECS F&PRS)
423-46-01	Goddard Space Flight Center, Functional and Performance Requirements Specification for the Earth Observing System Data and Information System (EOSDIS) Core System (ECS) Science Data Processing System (EMD F&PRS)

Information Documents

Information Documents Referenced

The following documents are referenced herein and amplify or clarify the information presented in this document. These documents are not binding on the content of the EMD Training Material.

609-EMD-100	Release 7.20 Operations Tools Manual for the EMD Project
611-EMD-100	Release 7.20 Mission Operation Procedures for the EMD Project

Information Documents Not Referenced

The following documents, although not referenced herein and/or not directly applicable, do amplify or clarify the information presented in this document. These documents are not binding on the content of the EMD Training Material.

305-EMD-100	Release 7.20 Segment/Design Specification for the EMD Project
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311-EMD-100	Release 7.20 INGEST (INS) Database Design and Schema Specifications for the EMD Project
311-EMD-101	Release 7.20 Science Data Server Database Design and Schema Specifications for the EMD Project
311-EMD-102	Release 7.20 Storage Management Subsystems Database Design and Database Schema Specifications for the EMD Project
311-EMD-103	Release 7.20 Systems Management Subsystem Database Design and Schema Specifications for the EMD Project
311-EMD-104	Release 7.20 Order Manager Database Design and Database Schema Specifications for the EMD Project
311-EMD-105	Release 7.20 Spatial Subscription Server (SSS) Database Design and Schema Specifications for the EMD Project
311-EMD-106	Release 7.20 Data Pool Database Design and Schema Specifications for the EMD Project

Archive Processing Overview

Lesson Overview

This lesson reviews the process of archiving data, including a description of processing for working with the File Storage Management System (FSMS) software, monitoring the ingest/archiving/distribution performance, managing archive content and capacity, maintaining configuration of peripherals and data servers, backing up and restoring archived data, documenting and troubleshooting archive errors, maintaining the archive processing queue (storage and retrieval), and providing archive status.

Lesson Objectives

Overall Objective - The overall objective of this lesson is proficiency in the methodology and procedures for archive processing in the Earth Observing System Data and Information System (EOSDIS) Core System (ECS) during maintenance and operations. The lesson includes a description of processing for monitoring the ingest/archival/distribution performance, maintaining configuration of peripherals and data servers, documenting archive errors, maintaining the archive processing queue (both storing and retrieval), managing archive content and capacity, submitting new data archive requests to the Science Coordinator, and providing archive status.

Specific Objective 1 - The student will list DAAC operator positions for Archive Manager personnel interfaces and identify responsibilities associated with each interface.

Condition - The student will be given a list of DAAC operators.

Standard - The student will select four personnel positions with which the Archive Manager interfaces and list at least one major area of responsibility for each selected position.

Specific Objective 2 - The student will identify the major hardware facility for archival storage and its associated storage cartridges.

Condition - The student will be given a copy 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, a working system archive facility, a 9940 tape cartridge, and a 9840 tape cartridge.

Standard - The student will correctly point out the StorageTek Library Storage Module (LSM) and its associated 9940 and 9840 tape cartridges.

Specific Objective 3 - The student will describe the File Storage Management System (FSMS) software.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project.

Standard - The student will identify the FSMS software as the StorNext, correctly describe StorNext by stating its nature as a UNIX file system installed on an SGI XL computer, and state the five steps in the StorNext control path without error.

Specific Objective 4 - The student will start the StorNext tape archive system.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility.

Standard - The student will operate the StorNext control panels, power up the archive hardware, and then boot StorNext host and start StorNext without error and in accordance with documented procedures.

Specific Objective 5 - The student will shut down the StorNext tape archive system.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility with StorNext started.

Standard - The student will terminate StorNext and shut down the LSM without error and in accordance with documented procedures.

Specific Objective 6 - The student will use manual mode to enter the LSM.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility with StorNext started.

Standard - The student will vary the LSM offline, enter the LSM, leave the LSM, and vary the LSM back online, without error, in accordance with documented procedures, and following all required safety precautions.

Specific Objective 7 - The student will describe the relationships between Earth Science Data Types (ESDTs), Logical Volume Groups (LVGs) in the Archive, and physical archive volume groups.

Condition - The student will be given a diagram depicting the relationships.

Standard - The student will correctly explain the logical and physical structure of archive storage for the system.

Specific Objective 8 - The student will describe the process of, and monitor the progress of, inserting new data into the archive.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility with StorNext started.

Standard - The student will describe without error the process of inserting new data into the archive.

Standard - The student will perform without error and in accordance with documented procedures the procedures relating to monitoring retrieval of data from the archive.

Specific Objective 9 - The student will use the granule deletion capability to delete granules from the archive and inventory.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility with StorNext started.

Standard - The student will perform without error and in accordance with documented procedures the procedure for deleting granules from the archive and inventory.

Specific Objective 10 - The student will perform automatic and manual loading of archive storage cartridges.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, a working system archive facility with StorNext started, and 9940 tape cartridges, and 9840 tape cartridges.

Standard - The student will perform procedures for automatic and manual loading of the proper cartridges for the LSM without error and in accordance with documented procedures.

Specific Objective 11 - The student will create a backup for archived data.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility with StorNext started.

Standard - The student will correctly and in accordance with documented procedures perform a backup of archived data.

Specific Objective 12 - The student will replace a full Backup Volume.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility with StorNext started..

Standard - The student will perform without error and in accordance with documented procedures the procedures for replacing the Backup Volume (Volume 1).

Specific Objective 13 - The student will manually create a replacement backup for an archive data tape.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility with StorNext started.

Standard - The student will perform without error and in accordance with documented procedures the procedures for manually creating a replacement backup for an archive data tape.

Specific Objective 14 - The student will “restore” archive data by inserting a backup copy cartridge.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility.

Standard - The student will perform without error the procedure for inserting a backup copy cartridge to replace a lost archive data tape.

Specific Objective 15 - The student will to display what is in the StorNext queue.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility.

Standard - The student will perform without error and in accordance with documented procedures the procedure for viewing what is in the StorNext queue.

Specific Objective 16 - The student will display StorNext messages from the system log file.

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility.

Standard - The student will perform without error and in accordance with documented procedures the procedure for using the *amass_log* script to display AMASS messages from the system log file.

Specific Objective 17 - The student will launch and use the StorNext Graphical User Interface (GUI).

Condition - The student will be given a copy of 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility.

Standard - The student will successfully start the StorNext GUI, display icons and data for volume groups and volumes, and execute procedures for modifying volume groups and volumes without error and in accordance with documented procedures.

Specific Objective 18 - The student will perform the functions required to maintain the Data Pool, including tasks with the Data Pool Maintenance (DPM) GUI (monitor Data Pool active insert processes; monitor/cancel data pool insert actions; suspend and resume Data Pool actions; check the Data Pool insert queue; toggle the state of the NoFreeSpace flag; configure the number of allowed active insert processes; configure the default retention period and the default retention priority; view and update collection groups in the Data Pool database; list/add/delete a theme), tasks with utilities and scripts (extend the period of retention for selected science granules already in the Data Pool; set up a schedule and cron job for Data Pool cleanup; manually invoke Data Pool cleanup; set up a schedule and cron job for Data Pool access statistics accumulation; manually invoke the Data Pool access statistics utility), and tasks with the Spatial Subscription Server (NBSRV) GUI (extend the period of retention in a Data Pool insert subscription; update a subscription; view/add/cancel a bundling order; view statistics on processing of events and actions by the Spatial Subscription Server).

Condition - The student will be given a copy 609-EMD-100, Release 7.20 Operations Tools Manual for the EMD Project, and a copy of 611-EMD-100, Release 7.20 Mission Operation Procedures for the EMD Project, and a working system archive facility.

Standard - The student will use the GUI tools, scripts, and utilities without error in accordance with applicable procedures to perform the required Data Pool maintenance functions.

Importance

The Archive Manager's role in maintaining the archive data is key to the successful implementation and operation of the system. Ensuring the smooth operation of the archive is crucial for system core functionality.

Slide Presentation

Slide Presentation Description

The following slide presentation represents the slides used by the instructor during the conduct of this lesson.

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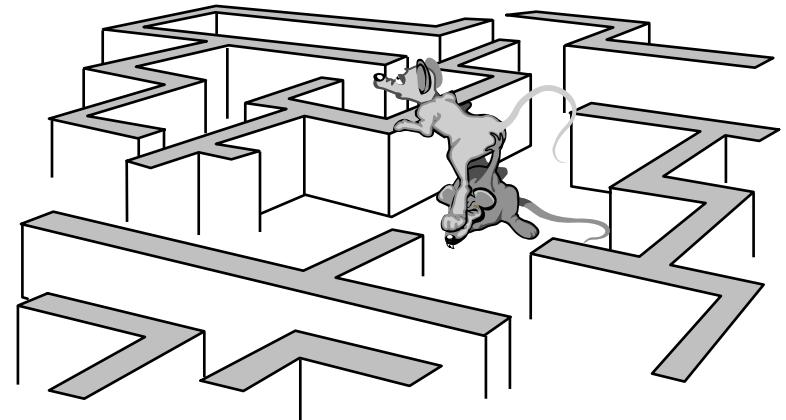


Archive Processing

July 2007

Overview of Lesson

- **Introduction**
- **Archive Processing Topics**
 - **Archive Hardware and Software**
 - **Delete Granules**
 - **Data Pool Management and Maintenance**



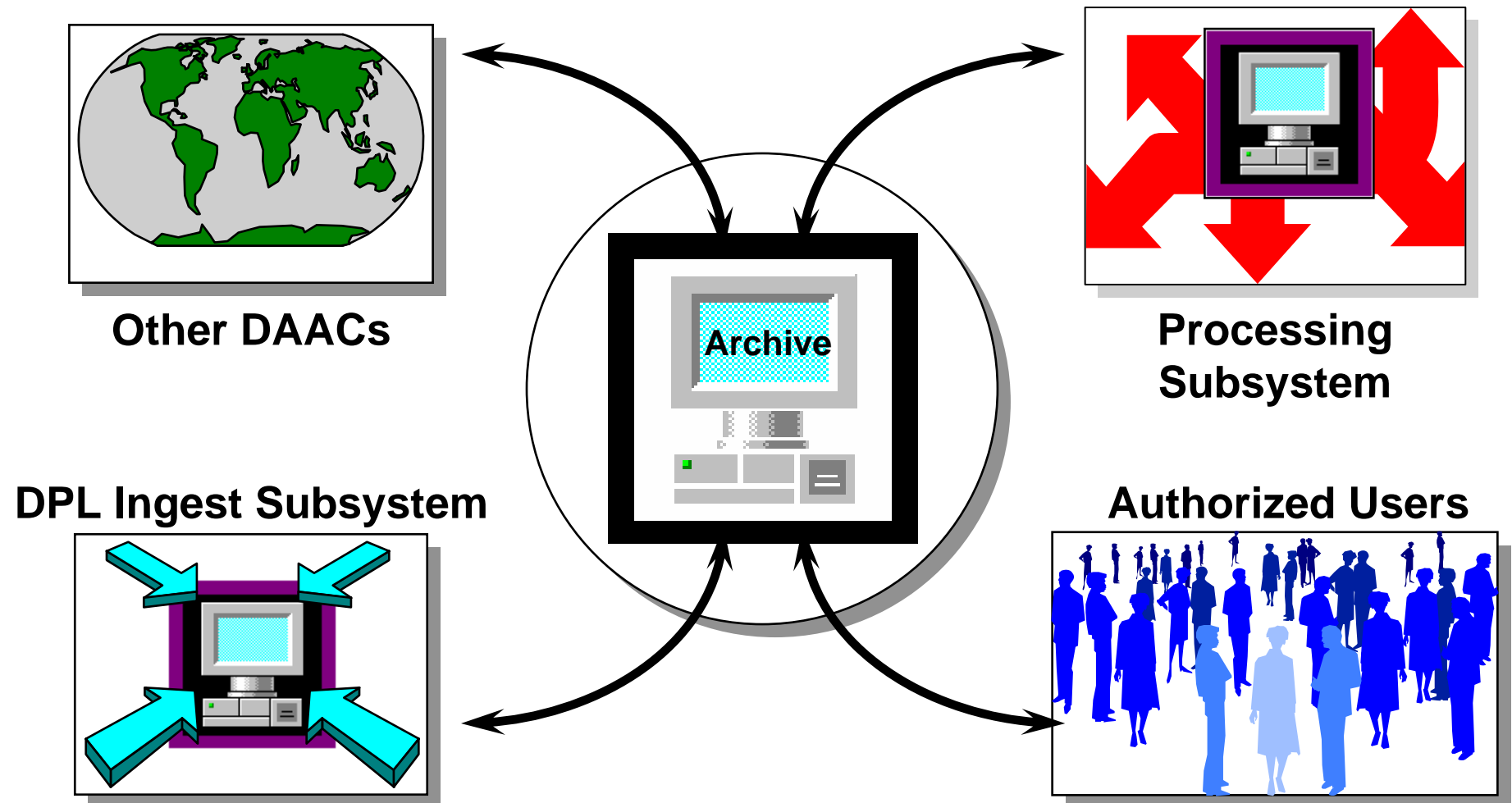
Objectives

- **Overall: Proficiency in Archive Processing**
 - Describe Archive Manager roles and responsibilities
 - Identify and describe Archive storage resources
 - Describe archive storage element relationships and archive resource management
 - Use Granule Deletion tool to delete granules
 - Delete files from the archive
- **Overall: Proficiency in Archive Processing (Cont.)**
 - Use GUIs, utilities, and scripts for Data Pool maintenance

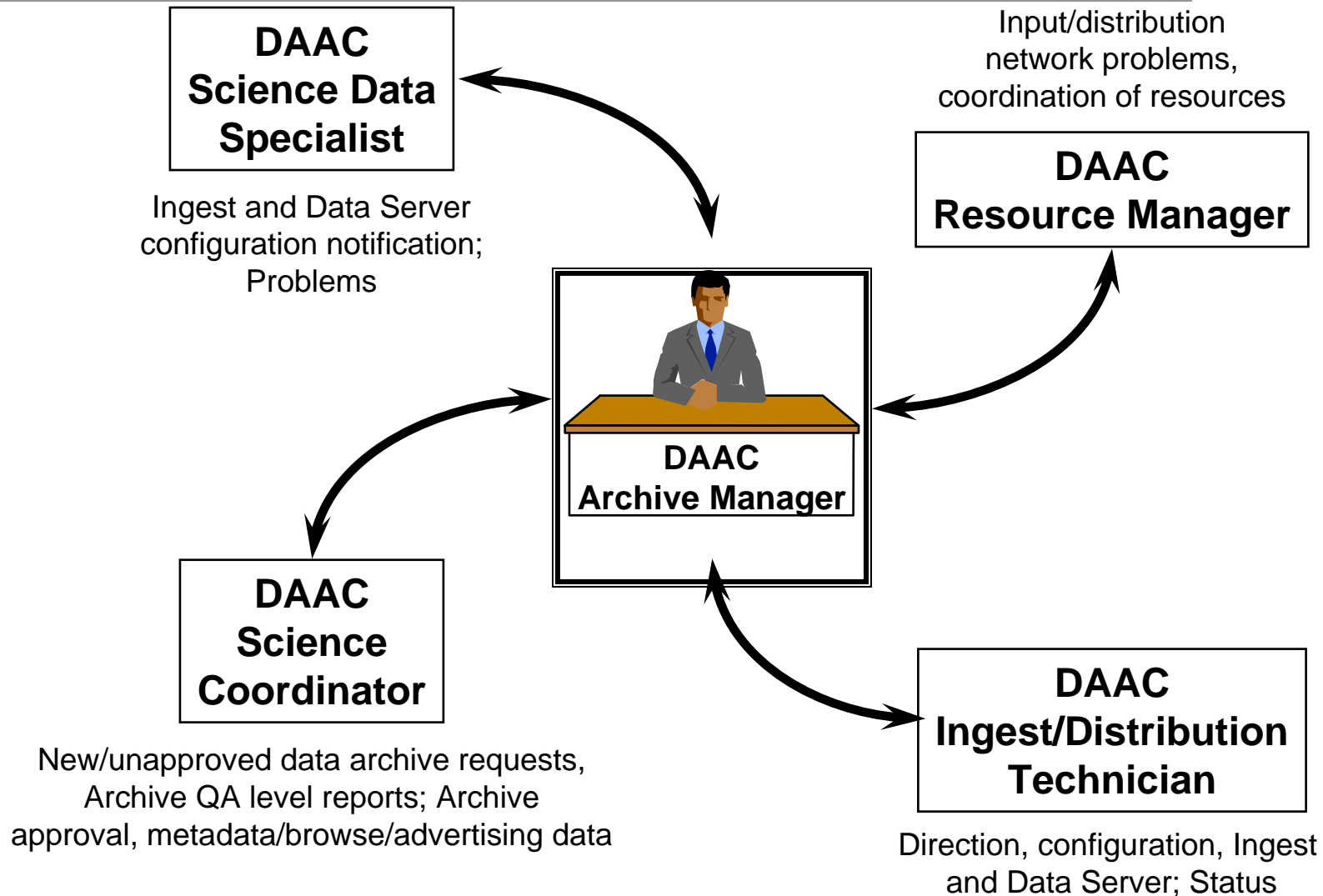
Objectives (Cont.)

- **STANDARDS:**
 - Lesson content (procedures in the lesson)
 - Mission Operation Procedures for the EMD Project (611-EMD-001)

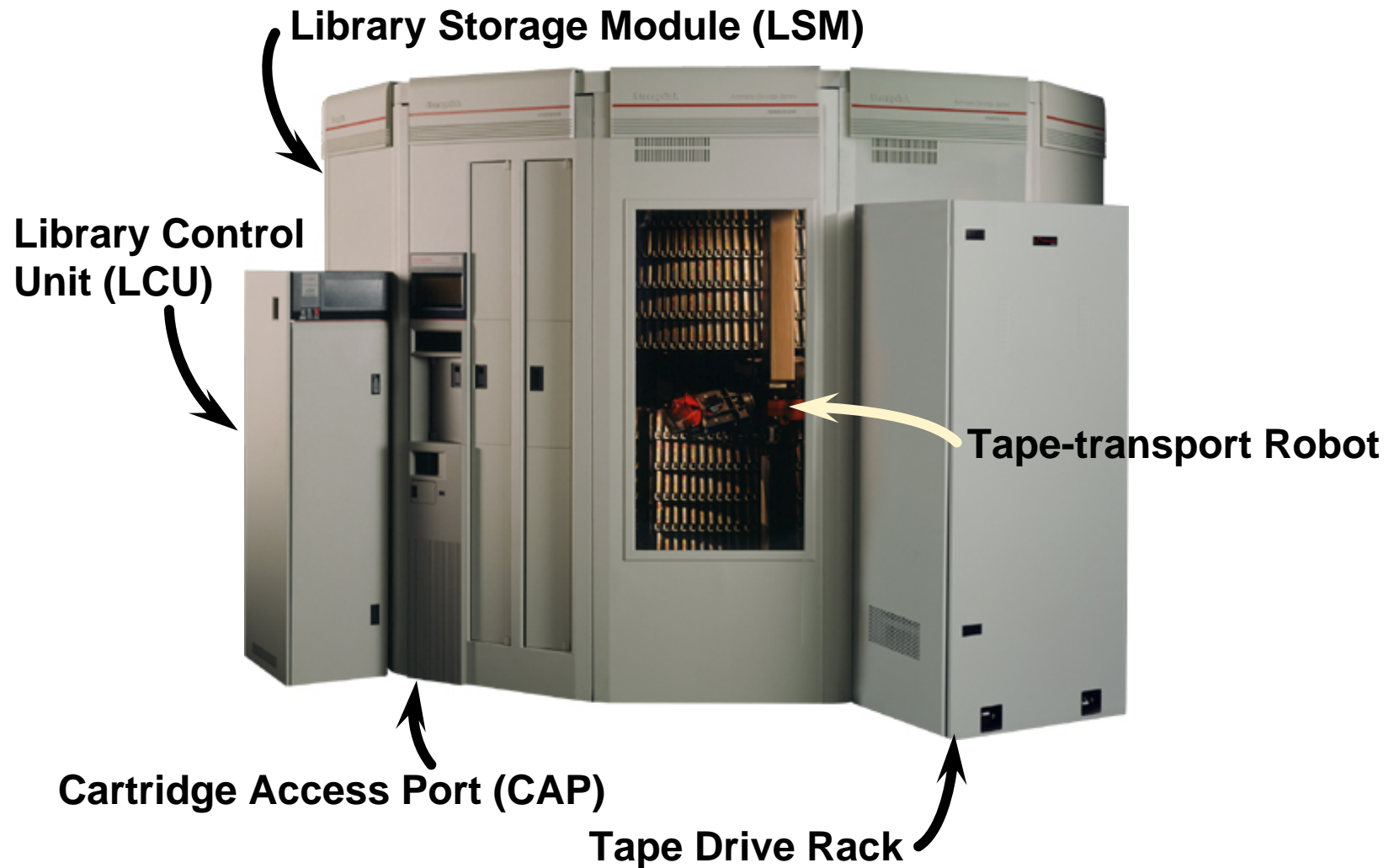
Sources and Uses of Archive Data



DAAC Archive Manager Interfaces



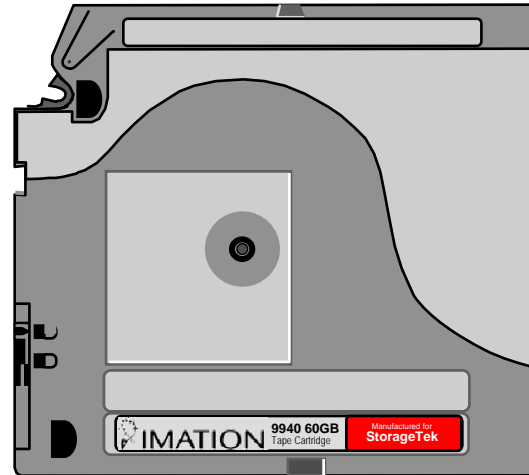
STK Powderhorn Data Storage



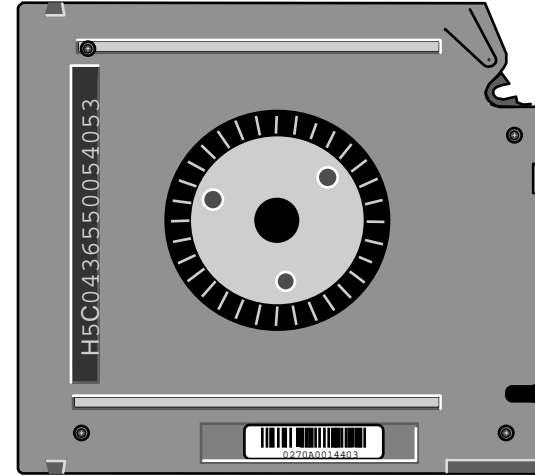
STK 9940 Tape System



9940 Tape
Drives

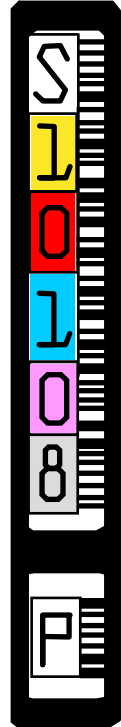


Front



Back

- 10 MB/sec uncompressed sustained data transfer rate
- 60 GB capacity per cartridge (uncompressed)
- 10-sec load time
- 50-sec search/access



End View with
Barcode

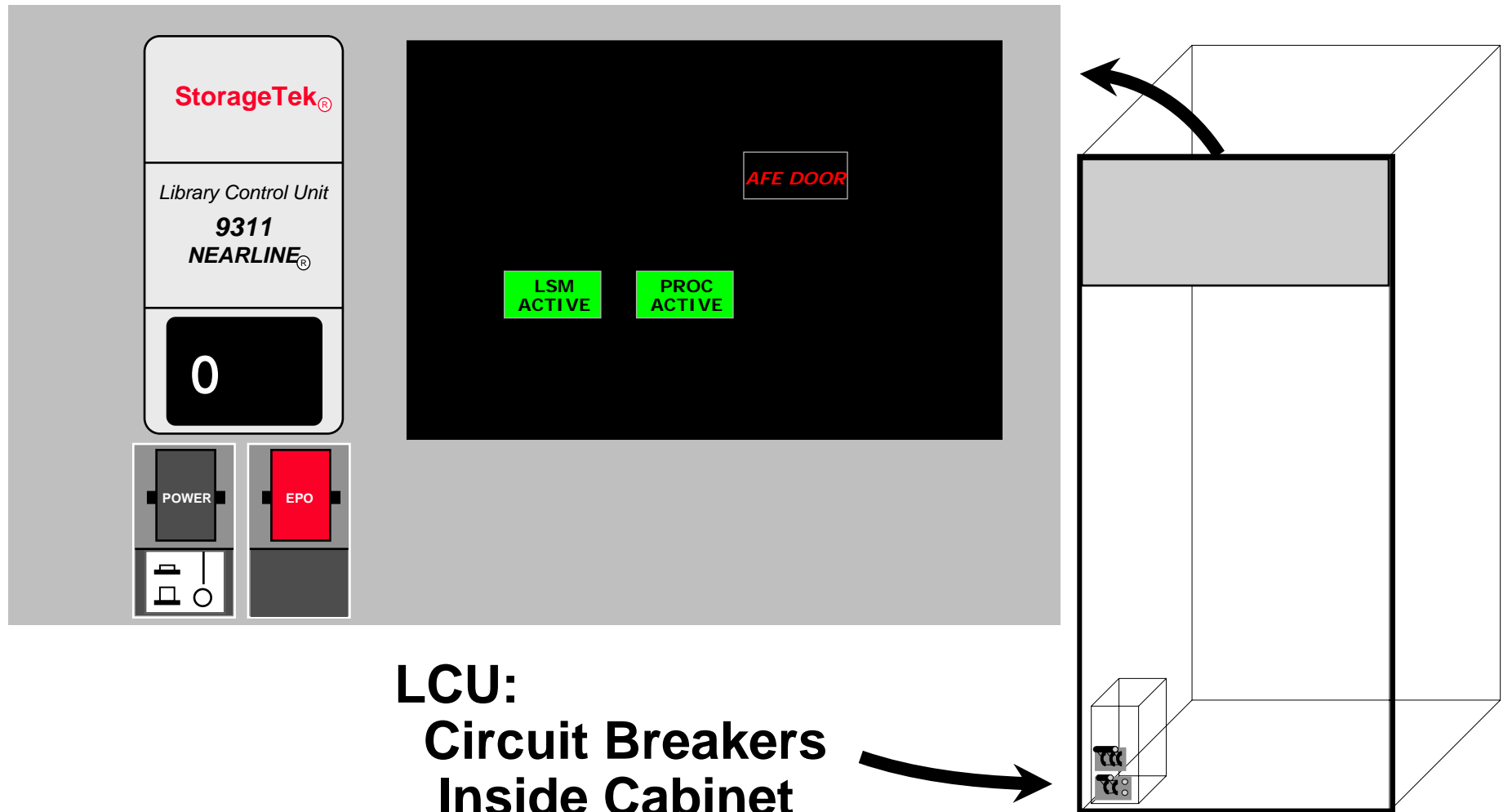
Automated Cartridge System Library Software (ACSLS)

Command	Function
Audit	Creates or updates the database inventory of the volumes in a library component.
Cancel	Cancels a current or pending request.
clear lock	Removes all active and pending locks on transports or volumes.
Dismount	Dismounts a volume.
Eject	Ejects one or more volumes from the Automated Cartridge System (ACS).
Enter	Sets a Cartridge Access Port (CAP) to enter mode.
Idle	Stops ACSLS from processing new requests.
Lock	Locks (dedicates) a volume or transport to a user.
Logoff	Exits the command processor.
Mount	Mounts a data or scratch volume.
Query	Displays the status of a library component.
Set	Sets various attributes of different library components.
Show	Displays your lock ID or user ID.
Start	Starts ACSLS request processing.
Unlock	Removes active locks on volumes or transports.
Vary	Changes the state of an ACS, LSM, CAP, transport, or port.
Venter	Enters one or more volumes with missing or unreadable labels into the ACS.

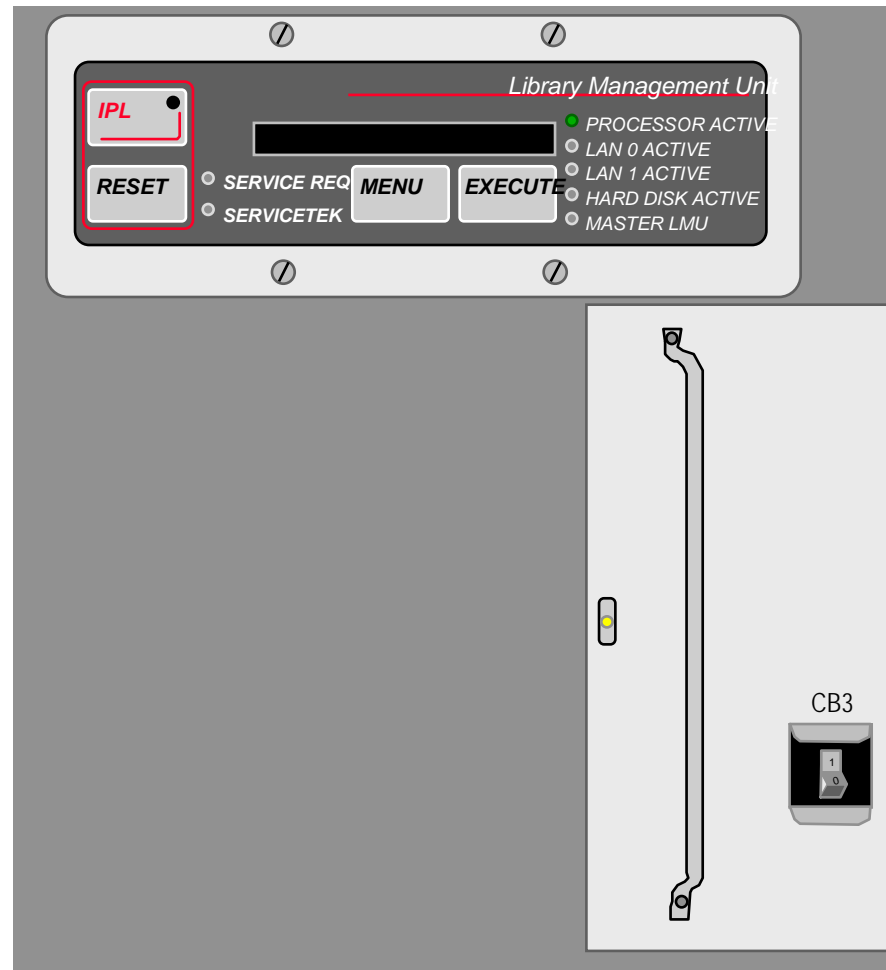
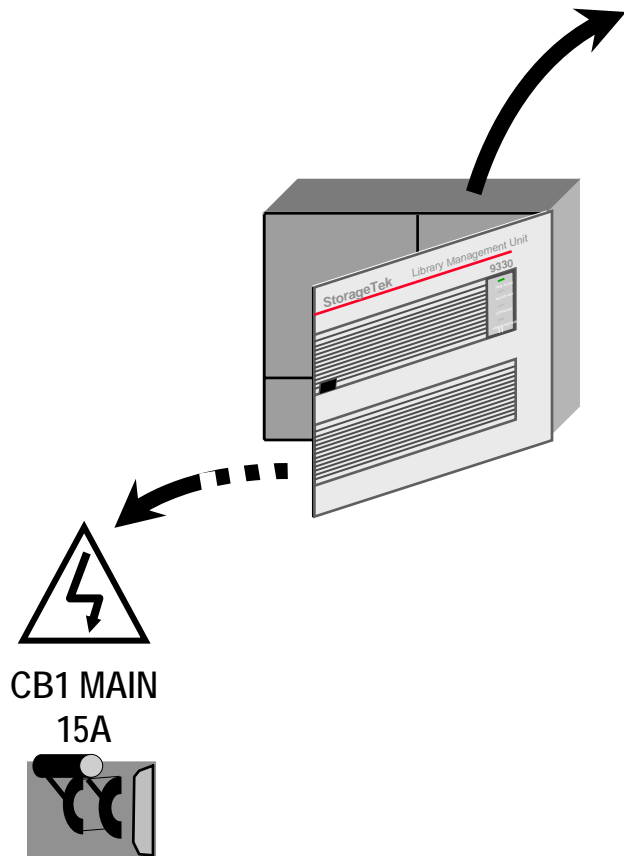
Automated Cartridge System Library Software (ACSL) (Cont.)

- **General Command Syntax:**
 - `command type_identifier state [options]`
- **Frequently used commands:**
 - `query`, `vary`, `enter`, `eject`
- **Utilities:**
 - `bdb.acss` -- back up the ACSL database
 - `kill.acss` -- terminate ACSL
 - `rc.acss` -- start and recover ACSL
 - `rdb.acss` -- restore the ACSL database
 - `db_command` -- start/stop ACSL database
- **User Ids:**
 - `acssa` -- enter commands
 - `acss` -- run utilities from UNIX

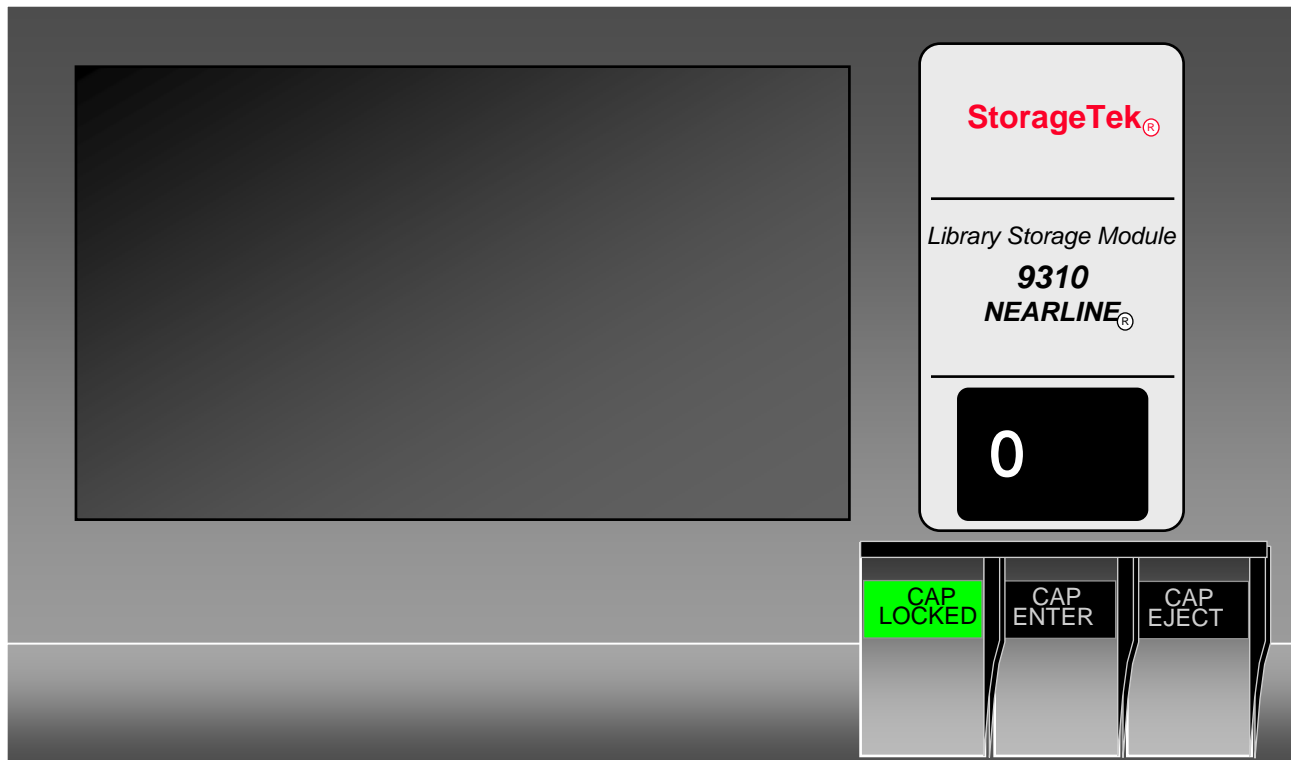
STK Controls/Displays: LCU



STK Controls/Displays: LMU



STK Controls/Displays: LSM



StorNext Application

- Archive operations rely on both custom and commercial off the shelf (COTS) software for complete mass storage archive management, providing the capability to accept Graphical User Interface (GUI) and command line interface inputs, and to interpret them to the appropriate level needed to control and monitor archive operations. The StorNext Storage Manager (SNSM) software is a product of Quantum. Quantum, which acquired ADIC, is the vendor for both the StorNext File System and the StorNext Storage Management products.
- The purpose of SNSM in the system is to provide an easy-to-use interface to a large tape archive. StorNext manages files, volumes (media), drives and jukeboxes. It allows UNIX File System (UFS) access methods to be employed (e.g., ftp, rcp, uucp, nfs, RPC, cp, mv and native commands) while removing some of the limitations of the UFS. Primary among these is reliance on UNIX Index Node (inode) structures. StorNext maintains all inode information in database files rather than in associated disk structures. This minimizes or eliminates many of the file search problems inherent in searching large numbers of files in multiple directories.

StorNext Application

Starting and Stopping StorNext

- The ECS System contains both managed (Hericharchal Storage Manager) and unmanaged StorNext File Systems. In order for the ECS System to function properly you need to start/stop both. They can be started/stopped from the Linux command line or from the GUI provided by the vendor.
- To start StorNext Manager Server (*this must be started first*) from the command line prompt: (as superuser or root)
 - 1 Logon to the active metadata server (x4smvaa). Using x4smvaa will log you into the active (x4sml01 (primary) or x4sml02 (failover/secondary))
 - # /etc/init.d/cvfs start
 - 2 Verify that the StorNext Manager Server is active with the command
 - #ps -ef | grep cvfs
- To start StorNext Manager Clients from the command line prompt: (as superuser or root)
 - 3 Logon to the each client hosts .
 - # /etc/init.d/cvfs start
 - 4 Verify that the StorNext Manager Server is active with the command
 - #ps -ef | grep cvfs

StorNext Application

To start StorNext Manager Server (*this must be started first*) from the command line prompt: (as superuser or root)

- **Logon to the active metadata server (x4smvaa). Using x4smvaa will log you into the active (x4sml01 (primary) or x4sml02 (failover/secondary))**

/etc/init.d/cvfs start

- **Verify that the StorNext Manager Server is active with the command**

#ps -ef | grep cvfs

To start StorNext Manager Clients from the command line prompt: (as superuser or root)

- **Logon to the each client hosts .**

/etc/init.d/cvfs start

- **Verify that the StorNext Manager Server is active with the command**

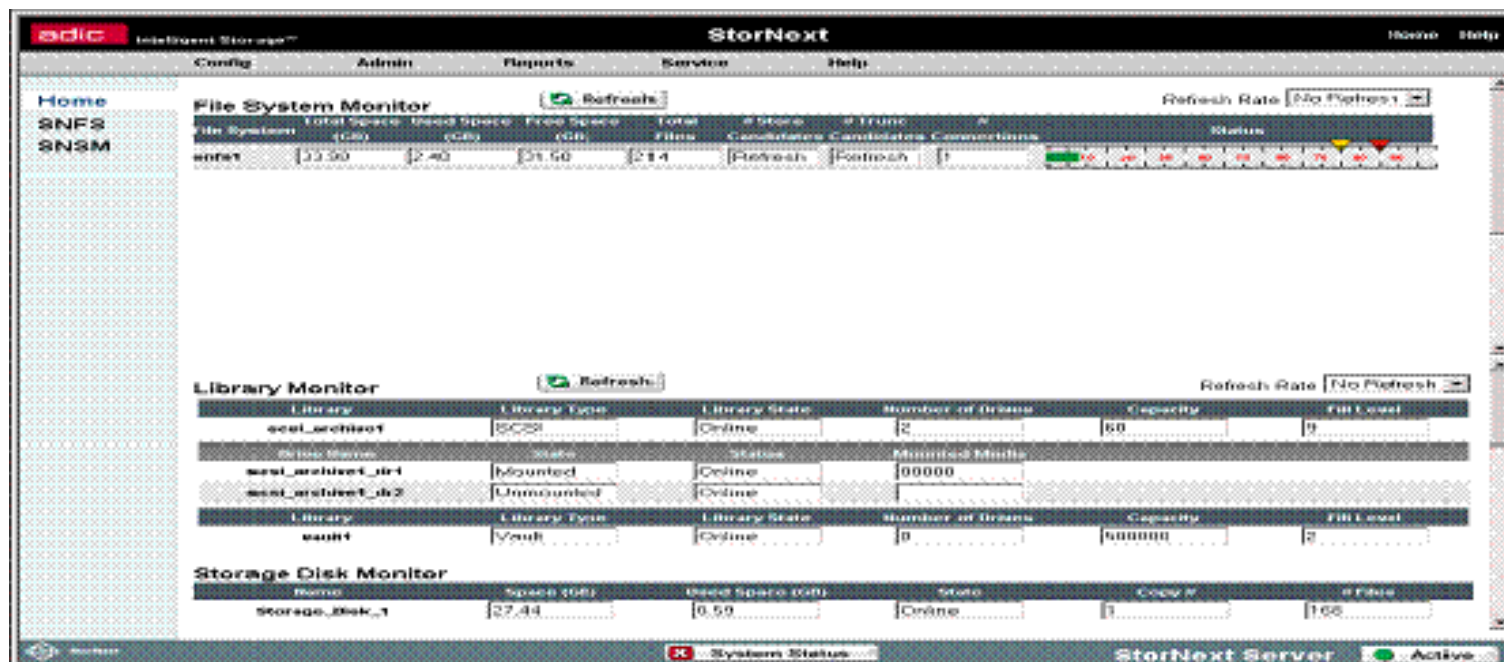
#ps -ef | grep cvfs

StorNext Application

- To bring the StorNext System, you must stop both the server and its clients. The Clients must all be stopped first.
- To Stop the StorNext Clients
 - Log in as root (system administrator) into each StorNext Metadata Client.
/etc/init.d/cvfs stop
 - Check to ensure client has been stopped
#ps -ef | grep cvfs
(NOTE : MAKE SURE THAT ALL CLIENTS ARE STOPPED)
- To Stop the StorNext Server
 - Log in as root (system administrator) into the active StorNext Metadata Server (x4smvaa).
 - To stop StorNext Server, type:
#/etc/init.d/cvfs stop
 - Check to ensure server has been stopped
#ps -ef | grep cvfs

StorNext GUI Home Page

- The StorNext Home GUI is Web based, and can be accessed by any Web enabled machines with the proper Java libraries. To start the StorNext Manager and its Clients from the GUI:



StorNext GUI Admin Drop Down

The screenshot displays the StorNext GUI Admin interface. The top navigation bar includes 'Config', 'Admin', 'Reports', 'Service', and 'Help'. The 'Admin' dropdown menu is open, showing options like 'Access StorNext Logs', 'User Access Control', 'Download Client Software', 'Library Operator Interface', 'Remove/Move Media', 'Run Backup', 'Schedule Events', and 'Start/Stop StorNext'. The 'File System' section shows a table with columns for 'File System', 'Status', 'Total Files', '# Store Candidates', '# Time Candidates', '# Connections', and 'Status'. The 'Library Monitor' section shows a table with columns for 'Status', 'Library Name', 'Library Type', 'Number of Drives', 'Capacity', and 'Fit Level'. The 'Storage Disk Monitor' section shows a table with columns for 'Status', 'Storage Disk Name', 'Space (GB)', 'Used Space (GB)', 'Copy #', and '# Files'.

File System

File System	Status	Total Files	# Store Candidates	# Time Candidates	# Connections	Status
ssh	✓	20	Refresh	Refresh	1	
ssh1	✓	8	N/A	N/A	1	
ssh2	✓					

Library Monitor

Status	Library Name	Library Type	Number of Drives	Capacity	Fit Level
✓	ssl_archive1	SCSI	2	60	19
✓	ssl_archive1_drt	Free			
✓	ssl_archive1_drt	Free			

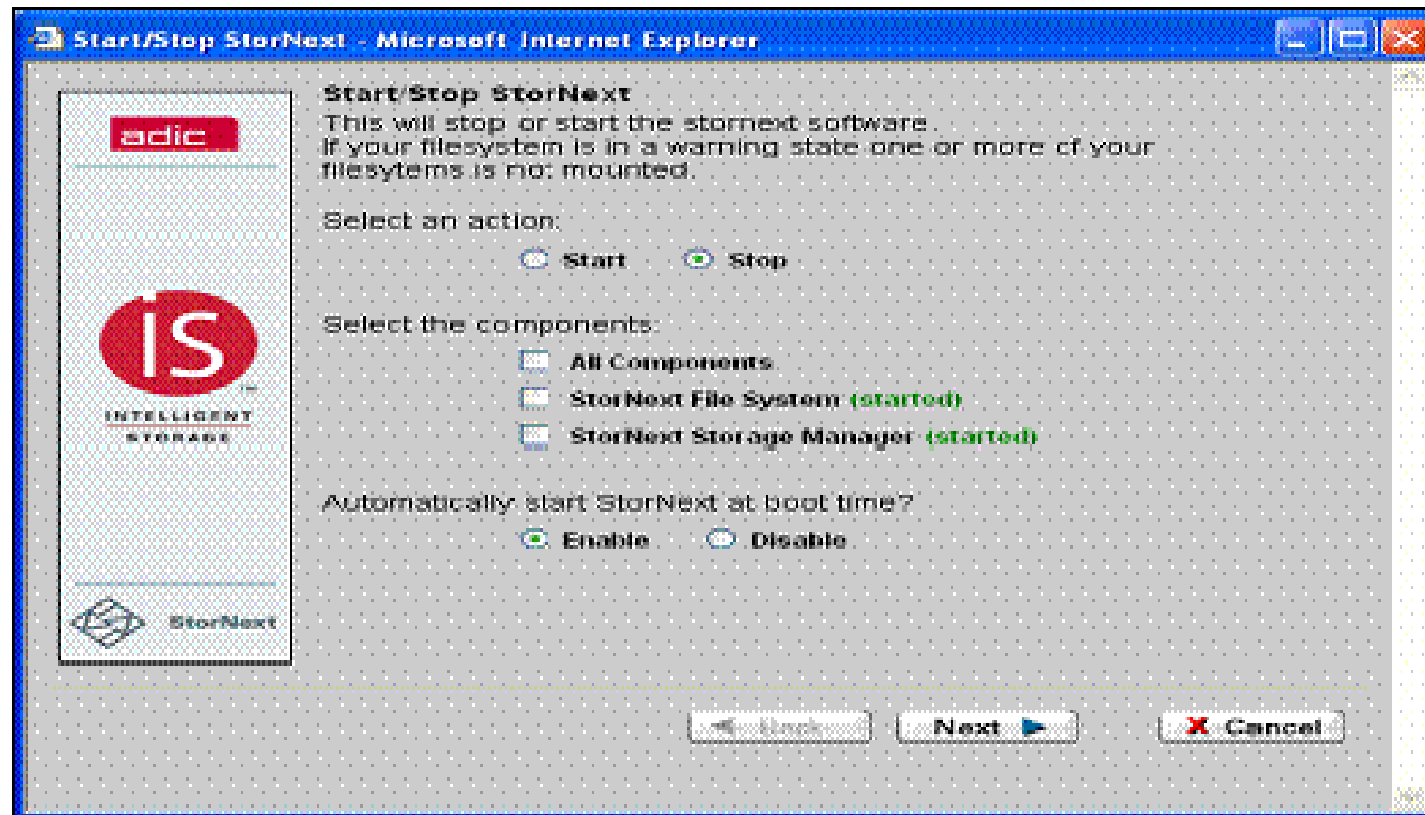
Storage Disk Monitor

Status	Storage Disk Name	Space (GB)	Used Space (GB)	Copy #	# Files
✓	Storage_Disk_1	37.65	9.81	3	0

System Status

spock Active

StorNext Stop/Start GUI



Granule Deletion

- **Phases of Granule Deletion**
 - **Logical deletion [marking granules (in the SDSRV database) for deletion]**
 - **Physical deletion (removing from the SDSRV database data concerning granules marked for deletion and putting in the STMGT database data concerning granules to be deleted from the archive)**
 - **Deletion from the archive (removing from the archive the files identified for deletion in the STMGT database)**

Granule Deletion (Cont.)

- **Phase 1, Logical Deletion**
 - For the first phase, a command-line Bulk Delete utility (EcDsBulkDelete.pl) responds to operator-specified criteria for the deletion of granules by "logically" deleting from the inventory (SDSRV database) those granules that meet the criteria
- **Phase 2, Physical Deletion**
 - Physical deletion occurs when the operations staff runs the Science Data Server Deletion Cleanup utility (EcDsDeletionCleanup.pl), which removes all inventory rows (in the SDSRV database) for granules that were flagged as "deleted," including rows referencing related information (e.g., BR, PH, and QA); the script creates entries in the DsStPendingDelete table (in the STMGT database) for granules to be deleted
- **Phase 3, Deletion from the Archive**
 - The operator uses the Archive Batch Delete utility to initiate the removal from the archive of the files listed in the DsStPendingDelete table (populated by SDSRV in Phase 2); the operator must run the utility separately on each appropriate Archive host (FSMS Server or APC Server host)

Loading/Removing Archive Media

- **STK Powderhorn: Cartridge Access Port (CAP)**
 - 21 Tapes
- **Automatic loading (recommended for most loading)**
- **Manual loading (available for initial loading or other bulk loading)**

Archive Backups

- **Programmatic backups are part of design requirements**
 - **Active archive copy (use *Archive ID* -- ShortName and VersionID)**
 - e.g., AST_L1B.001
 - **Local backup storage copy (use *Backup ID*)**
 - Append “B” -- e.g., AST_L1B.001B
 - **Off-site backup storage copy (use *Offsite ID*)**
 - Append “O” -- e.g., AST_L1B.001O
- **Archive manager needs to create volume group for offsite backups, using StorNext GUI**
- **Selection of data for backup dependent on factors such as feasibility of recovery by other means (e.g., re-ingest, reprocess)**
- **Each site is responsible for arranging its own secure offsite storage**

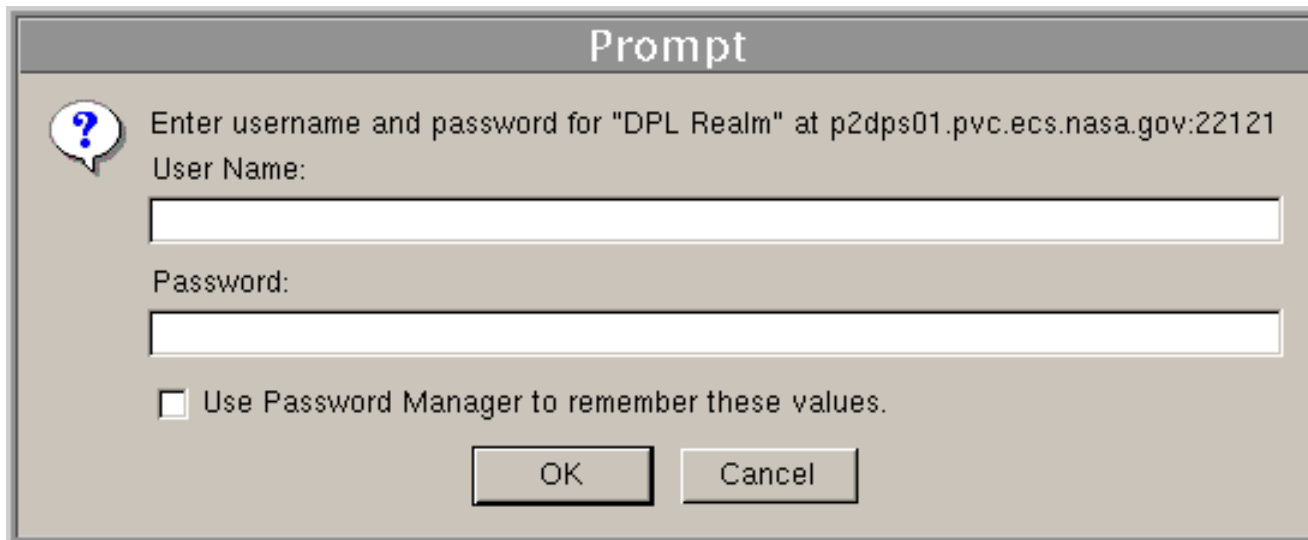
Data Pool Management

- **Features of the Data Pool Maintenance GUI**
 - **Most Archive or support personnel tasks for monitoring and maintaining the Data Pool require the use of the Data Pool Maintenance (DPM) GUI**
 - **The DPM GUI permits an operator to perform tasks in the following general areas:**
 - **Monitoring Data Pool Active Insert Processes and Insert Actions**
 - **Managing Data Pool File Systems**
 - **Enabling/Disabling Data Compression**
 - **Managing Compression Algorithms**
 - **Managing Cloud Cover Information**
 - **Checking the Status of Batch Inserts**
 - **Checking the Data Pool Insert Queue**

Data Pool Management (Cont.)

- **Features of the Data Pool Maintenance GUI (Cont.)**
 - **The DPM GUI permits an operator to perform tasks in the following general areas (Cont.):**
 - **Managing Data Pool Configuration Parameters and Data Pool Tuning**
 - **Managing Data Pool Collection Groups**
 - **Managing Data Pool Collections within Collection Groups**
 - **Managing Themes**

DPM GUI: Security Login Prompt



A screenshot of a Windows-style dialog box titled "Prompt". The dialog has a light gray background and a darker gray title bar. On the left side, there is a small blue speech bubble icon containing a white question mark. To the right of the icon, the text reads: "Enter username and password for 'DPL Realm' at p2dps01.pvc.ecs.nasa.gov:22121". Below this text, there are two input fields. The first is labeled "User Name:" and the second is labeled "Password:". Both fields are empty and have a light gray border. Below the password field, there is a checkbox with a small square icon to its left. The text next to the checkbox is "Use Password Manager to remember these values.". At the bottom of the dialog, there are two buttons: "OK" and "Cancel". The "OK" button is on the left and the "Cancel" button is on the right. Both buttons have a light gray background and a dark gray border.

Prompt

Enter username and password for "DPL Realm" at p2dps01.pvc.ecs.nasa.gov:22121

User Name:

Password:

☐ Use Password Manager to remember these values.

OK Cancel

Data Pool Management (Cont.)

- **Features of the Data Pool Maintenance GUI (Cont.)**
 - **Full-capability operators have the ability to configure parameters and perform all other actions that can be accomplished with the DPM GUI**
 - **Limited-capability operators are able to view a lot of information**
 - **However, on the limited-capability GUI some buttons and links have been disabled so it is not possible to perform certain actions or access certain pages**

Data Pool Management (Cont.)

- **Features of the Data Pool Maintenance GUI (Cont.)**
 - **This lesson provides instruction in the full-capability version of the DPM GUI**
 - **However, the functions that are available to limited-capability operators as well as the functions that are not available to limited-capability operators are identified**

DPM GUI: Home Page


Data Pool Maintenance GUI -- TS2 MODE -- Netscape

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Data Pool Maintenance GUI -- TS2 ...



Data Pool Maintenance



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[Refresh Home Page](#)

Screen Refresh Rate (in Secs) Last Screen Refresh on Sat Apr 9 15:52:50 EDT 2005

Active Insert Processes rows

Summary of Data Pool File System (s)			
File System Label	Free Space Flag	Availability	Min Freed Space in MB
DEFAULT	State : Y Last changed:	State : Y Last changed: Feb 21 2005 4:51PM	10
FS1	State : Y Last changed:	State : Y Last changed:	100
FS2	State : Y Last changed:	State : Y Last changed:	100
FS3	State : Y Last changed:	State : Y Last changed:	100

Summary of Active Processes	
Maximum allowed processes	50
Maximum allowed processes from AMASS cache	10
Maximum allowed processes from AMASS tape	20
Total number of active insert processes running	0
Number of active insert processes using AMASS cache	0
Number of active insert processes using AMASS tape	0

List of Active Insert Processes (Rows 0)

Unix ProcessId	ecsID	Collection	Version	Start Time	Status Time	Status	AMASS Cache	Retries
----------------	-------	------------	---------	------------	-------------	--------	-------------	---------

Document: Done (3.083 secs)

DPM GUI: File System Information Page

Data Pool Maintenance GUI -- TS2 MODE -- Netscape

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File System Information				
File System Label	Absolute Path	Free Space Flag	Availability	Min Freed Space (in Megabytes)
DEFAULT	/datapool/TS2/user/FS1/	State : Y Last changed:	State : Y Last changed: Feb 21 2005 4:51PM	10
FS1	/datapool/TS2/user/FS1/	State : Y Last changed:	State : Y Last changed:	100
FS2	/datapool/TS2/user/FS2/	State : Y Last changed:	State : Y Last changed:	100
FS3	/datapool/TS2/user/FS3/	State : Y Last changed:	State : Y Last changed:	100

[Add New File System](#) [Modify File System](#)

Document: Done (1.863 secs)

DPM GUI: Add New File System Page


Data Pool Maintenance GUI -- TS2 MODE -- Netscape

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Data Pool Maintenance GUI -- TS2 ...



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Add New File System

Label	<input type="text"/>
Absolute Path	<input type="text" value="/datapool/TS2/user"/>
Free Space Flag	<input type="checkbox"/> ON
Availability	<input type="checkbox"/> YES
Min Freed Space (in Megabytes)	<input type="text"/> MB
Return to previous page	<input type="button" value="Apply Change"/>

Document: Done (1.77 secs)

DPM GUI: Modify File System Information Page



Data Pool Maintenance GUI -- TS2 MODE -- Netscape

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Data Pool Maintenance GUI -- TS2 ...

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Modify File System Information

File System Label	Absolute Path	Free Space Flag	Availability	Min Freed Space (in Megabytes)	Click on box to modify
DEFAULT	<input type="text" value="/datapool/TS2/user/FS1/"/>	<input checked="" type="radio"/> ON <input type="radio"/> OFF	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input type="text" value="10"/>	<input type="text"/>
FS1	<input type="text" value="/datapool/TS2/user/FS1/"/>	<input checked="" type="radio"/> ON <input type="radio"/> OFF	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input type="text" value="100"/>	<input type="text"/>
FS2	<input type="text" value="/datapool/TS2/user/FS2/"/>	<input checked="" type="radio"/> ON <input type="radio"/> OFF	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input type="text" value="100"/>	<input type="text"/>
FS3	<input type="text" value="/datapool/TS2/user/FS3/"/>	<input checked="" type="radio"/> ON <input type="radio"/> OFF	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input type="text" value="100"/>	<input type="text"/>

[Return to previous page](#)



Document: Done (2.018 secs)

DPM GUI: Cloud Cover Information Page

Data Pool Maintenance GUI -- TS2 MODE -- Netscape

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Cloud Cover Information			
Source Type	Source Name	Source Description	Check box to delete
Core Metadata	QAPercentCloudCover	wei's test for coremetadata	<input type="checkbox"/>
PSA	QAPERCENTNOTPRODUCEDCLOUD	wei's test for cloudcover PSA	<input type="checkbox"/>
Add New Cloud Cover Modify Source Description			<input type="button" value="Apply Change"/>



Document: Done (2.019 secs)

DPM GUI: Add New Cloud Cover Information Page

Data Pool Maintenance GUI -- TS2 MODE -- Netscape

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Add New Cloud Cover Information

Source Type	PSA <input type="button" value="v"/>
Source Name	<input type="text"/>
Source Description	<input type="text"/>
Return to previous page	<input type="button" value="Apply Change"/>



Document: Done (1.267 secs)

DPM GUI: Modify Source Description Page



Data Pool Maintenance GUI -- TS2 MODE -- Netscape

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Modify Source Description			
Source Type	Source Name	Source Description	Click on box to modify
Core Metadata	QAPercentCloudCover	<input type="text" value="wei's test for coremetadata"/>	
PSA	QAPERCENTNOTPRODUCEDCLOUD	<input type="text" value="wei's test for cloudcover PSA"/>	
Return to previous page			<input type="button" value="Apply Change"/>

Document: Done (1.065 secs)


DPM GUI: Batch Summary Page

Data Pool Maintenance GUI -- TS2 MODE -- Netscape


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Batch Summary

Screen Refresh Rate (in Minutes) Last Screen Refresh on: Sat Apr 9 16:24:54 EDT 2005

Batch Label	New	Completed	Failed	Retry	Canceled
shen	0	0	1	0	0
ast_07_dbid_ts2	0	0	47	0	0
MOD09A1TS2.out79	0	0	45	0	0
MOD13Q1TS2.out79	0	0	4	0	0
WmsBulkThemeA.ou	0	0	5	0	0
criteria110_test	0	0	9	0	0

Document: Done (6.069 secs)

DPM GUI: List Insert Queue Page

Data Pool Maintenance GUI in mode TS2 - Netscape

http://p2dps01.pvc.ecs.nasa.gov:22121/cgi-bin/EcDIDpmInsertQueue.pl

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Data Pool Maintenance GUI in mode...

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File System: ALL Batch Label: ignore Status: NEW/RETRY Apply Filter

Inserts Left to Process on Sat Apr 9 16:22:18 EDT 2005

0

Detailed list of Data Pool Inserts using Current Filter (Number in List = 0)

Click on the NONECS link in the Data.Source column to view the XML file associated with this insert

DataSource	BatchLabel	Dispatch Priority	RequestID	SubID	ECSID	Collection	Version	Science Granules and/or Metadata	Enqueue Time	Retries	Status	Click on Box to Cancel
Continue												Apply Change

Document: Done (3.986 secs)

DPM GUI: List of Configuration Parameters Page

Data Pool Maintenance GUI -- TS2 MODE -- Netscape

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List of Configuration Parameters

Parameter Name	Parameter Value	Click on Box to Modify Parm
ActionQueueCleanupFrequency	600 Frequency in seconds when the action queue is checked for completed actions and those older than the configured retention are removed.	<input type="text"/>
BatchSummaryAutoRefresh	1 Auto Refresh Rate for Batch Summary Screen	<input type="text"/>
CompressOnInsert	ON <input checked="" type="checkbox"/> System Level Compression On Insert	<input type="text"/>
DefaultRetentionPeriod	1 The number of days is configured for the default retention period with all Data Pool Insert actions.	<input type="text"/>
DefaultRetentionPriority	7 The default retention priority is configured for the Data Pool Insert action. The value should be between 1 and 255.	<input type="text"/>
DeleteCompletedActionsAfter	30 The time in minutes that operators let completed actions stay in the insert action queue before making them eligible for removal.	<input type="text"/>
DisplayAIPChunkSize	4 Number of rows return per chunk for the AIP list	<input type="text"/>
HEGCleanupAge	10 HEG Cleanup Age in days	<input type="text"/>
IdleSleep	5 The number of seconds to sleep when there is nothing to do.	<input type="text"/>
InCacheTimeLimit	20 Max time in minutes operators are willing to wait for a DPIU process to complete whose files are in cache	<input type="text"/>
InsertRetryWait	30 The number of seconds to wait before a insert that failed retriably should be resubmitted.	<input type="text"/>
MAX_READ_DRIVES_p0acg05	200 Max number of simultaneous tape drives in used for the archive p0acg05	<input type="text"/>

Document: Done (2.389 secs)

DPM GUI: Aging Parameters Page


Data Pool Maintenance GUI -- TS2 MODE - Netscape

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List of Aging Parameters				
ECS Priority	Starting Priority	Aging Step	Max Priority	Click on Box to Modify
LOW	60	<input type="text" value="0"/>	<input type="text" value="60"/>	<input type="text" value=""/>
NORMAL	150	<input type="text" value="0"/>	<input type="text" value="150"/>	<input type="text" value=""/>
HIGH	220	<input type="text" value="0"/>	<input type="text" value="220"/>	<input type="text" value=""/>
VHIGH	235	<input type="text" value="0"/>	<input type="text" value="235"/>	<input type="text" value=""/>
XPRESS	255	<input type="text" value="0"/>	<input type="text" value="255"/>	<input type="text" value=""/>



Document: Done (1.748 secs)

DPM GUI: Collection Groups Page

Data Pool Maintenance GUI -- TS2 MODE -- Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop <http://p2dps01.pvc.ecs.nasa.gov:22121/cgi-bin/EcDidpmManageCollGroups.pl> Search Print

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You can manage the collections of a group by clicking on the groupid

Data Source	Group ID (Click for managing collections)	Display Name	Description
ECS	ACRM	ACRM	All collections/granules from the ACRIM mission
ECS	AIRA	AIRA	AIRS/AMSUMHS collections/granules from the Aqua mission
ECS	AMSA	AMSA	AMSR-E collections/granules from the Aqua mission
ECS	AMSR_L1A	AMSR_L1A	AMSR/ADEOS-II L1A Raw Observation Counts
ECS	ASTT	ASTT	ASTER collections/granules from the Terra mission
ECS	ASTTER	ASTTER	testing for remapping you can remove it
ECS	BRWS	BRWS	Browse collections/granules
ECS	C&DD	C&DD	dddd
ECS	DASP	DASP	Data Assimilation System Products
ECS	GLAS	GLAS	GLAS/CESat L1B Global Waveform-based Range Corrections Data
ECS	LSR7	LSR7	All collections/granules from the Landsat 7 mission
ECS	MAPPINGASTER	AST_L1BT	testing for regression GroupId up to 12 characters
ECS	MAPPINGGLA05	MAPPINGGLA05	GLAS/CESat L1B Global Waveform-based Range Corrections Data
ECS	MAPPING_AMSR	MAPPING_AMSR	Testing for Mapping AMSR-L1A
ECS	MAPPI_AST_08	MAPPI_AST_08	ASTER Level 2 Surface Temperature Product
ECS	MAP_MISALBA	MAP_MISALBA	MISR Level 0 CCD Calibration BA Camera

Document: Done (3.522 secs)

DPM GUI: Collection Group Detail Page

Data Pool Maintenance GUI -- TS2 MODE -- Netscape

File Edit View Go Bookmarks Tools Window Help

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Data Pool Maintenance

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Data Source:ECS Group ID:MOOT Display Name:MOOT Description:MODIS Oceans collections/granules from the Terra mission

File System: ALL Apply Filter

List Of Collections

Collection (Click for Detail Information)	Version	Compression Command Label	Science Granules and/or Metadata	Data Pool Insertion	HEG Processing	Export Urls to ECHO	Quality Summary Url	Spatial Search Type	Global Coverage	Day/Night Coverage	24 Hour Coverage	Cloud Coverage
MOD07_L2	001	NONE	science and metadata	valid for Data Pool	Enabled	No		Rectangle	No	Yes	No	No

[Add New Collection](#) [Return to previous page](#)

You can view the detail information of a collection by clicking on the collection link

Document: Done (2.536 secs)

DPM GUI: ECS Collection Detail Page

Data Pool Maintenance GUI -- TS2 MODE -- Netscape

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Data Pool Maintenance

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Data Source: ECS Group ID: MOOT Display Name: MOOT Description: MODIS Oceans collections/granules from the Terra mission

Detail Information	
Collection	MOD07_L2
Version	1
Description	Level 2 Daily global Total Ozone Burden, Atmospheric Stability, Temperature and Moisture Profiles at 20 vertical levels for temperature and 15 levels for moisture, and Atmospheric Water Vapor at 5x5 1-km resolution when at least 9 FOVs are cloud free.
File System	FS1
Compression Command Label	NONE
Science Granules and/or Metadata	Science and Metadata
Data Pool Insertion	Valid for Data Pool Inserts
HEG Processing	Enabled
Export Urls to ECHO	No
Quality Summary Url	
Spatial Search Type	Rectangle
Global Coverage	No
Day/Night Coverage	Yes
24Hour Coverage	No
Cloud Cover Type	
Cloud Cover Source	
Cloud Cover Description	

[Modify Collection](#) [Return to previous page](#)



Document: Done (2.262 secs)

DPM GUI: Modify Collection Page

Data Pool Maintenance GUI -- TS2 MODE -- Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://p2dps01.pvc.ecs.nasa.gov:22121/cgi-bin/EcdIDpmManageCollections.pl?collAction=2&Collection=MOD07_L2&Versi Search Print

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Data Source: ECS Group ID: MOOT Display Name: MOOT Description: MODIS Oceans collections/granules from the Terra mission

Modify Collection

Collection	MOD07_L2
Version	1
Description	Level 2 Daily global Total Ozone Burden, Atmospheric Stability, Temperature and Moisture Profiles at 20 vertical levels for temperature and 15 levels for moisture, and Atmospheric Water Vapor at 5x5 1-km resolution when at least 9 FOVs are cloud free.
File System	FS1
Compression Command Label	NONE
Science Granules and/or Metadata	Science and Metadata
Data Pool Insertion	Valid for Data Pool Insert
HEG Processing	Enabled
Export Urls to ECHO	No
Quality Summary Url	
Spatial Search Type	Rectangle
Global Coverage	No
Day/Night Coverage	Yes
24 Hour Coverage	No
Cloud Cover Type & Source	NONE View Details

[Return to previous page](#) [Apply Change](#)

Document: Done (6.033 secs)

DPM GUI: Collections Not in Data Pool Page

Data Pool Maintenance GUI -- TS2 MODE - Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://p2dps01.pvc.ecs.nasa.gov:22121/cgi-bin/EcDidpManageCollections.pl?collAction=4&GroupId=MOOT Search Print

Data Pool Maintenance TS2

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Data Source: ECS Group ID: MOOT Display Name: MOOT Description: MODIS Oceans collections/granules from the Terra mission

Collections Not In Data Pool

Collection (Click on collection to add)	Version	Description
AE_SDSno	001	AMSR-E/Aqua level 3 5-day products are of global snow water equivalent on EASE-Grids.
AE_Land	001	AMSR-E/Aqua global swath surface soil moisture and ancillary parameters including surface type, vegetation water content, surface temp., and QC parms are generated from level 2A AMSR-E Tb's spatially resampled to a nominal 25-km equal area earth grid.
AE_Land3	001	AMSR-E/Aqua level 3 global daily surface soil moisture with vegetation water content, surface temp., & Tb's are generated on a nominal 25-km equal area earth grid by time-compositing the level 2B parameters separately for ascending and descending passes.
AE_Ocean	001	AMSR-E/Aqua global swath ocean wind speed at 38 and 21 km res., water vapor over ocean at 21 km res., cloud liquid water at 12 km res., and sea surface temperature at 56 and 38 km res. are generated using the Wentz Algorithm and level 2A product.
AE_Rain	001	AMSR-E/Aqua global swath rain rate and rain type products are generated using the level 2A spatially resampled Tb's as input. Over ocean the Goddard Profiling Algorithm produces rain rates and types, over land the Ferraro Algorithm is used.
AE_SI12	001	AMSR-E/Aqua level 3 products at 12.5 km are of sea ice concentration, snow depth over ice, & 18 - 89.0 GHz Tb's on polar stereo grids. The sea ice con and Tb's daily asc. & desc. averages; snow depth over ice is a 5-day average.
AIRBOSCI	077	AIRS Science Data - 90 scene footprint packets per scan cycle (APID 404)
AIRX2RET	002	AIRS/Aqua FINAL AIRS Level 2 Physical Retrieval Products1 Calibrated and Geolocated1 for each AMSU-A footprint
AMIATTNF	001	This collection consists of AM-1 Platform Attitude Data that has been pre-processed by ECS to an internal standard supported by the ECS SDP Toolkit; the attitude data source is FDD analysis.
AMIEPHF	001	Repaired Ephemeris Data for EOS AM-1 ingested from Flight Dynamics Facility (FDD)
AMIEPHH0	001	This collection consists of AM-1 Platform Ephemeris Data that has been pre-processed by ECS to HDF format; the ephemeris data source is AM-1 measurements.
AMIEPHHF	001	This collection consists of AM-1 Platform Ephemeris Data that has been pre-processed by ECS to HDF format; the ephemeris data source is FDD analysis.

Document: Done (6.417 secs)

DPM GUI: Add New [ECS] Collection Page

Data Pool Maintenance GUI -- DEV06 MODE -- Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://00dps01.htc.com:22161/cgi-bin/EcDIDpmManageCollections.pl?collAction=1&Collecti Search Print

Data Pool Maintenance GUI -- DEV...

Data Pool Maintenance DEV06

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Data Source:ECS **Group ID:**MOLT **Display Name:**MOLT **Description:**MODIS Land collections/granules from the Terra mission

Add New Collection

Collection	AIRXACRV
Version	1
Description	AIRS/Aqua calibration conversion data numbers ranges. The starting and ending data numbers values for each applicable polynomial conversion range, as well as a number identifying the corresponding entries in the polynomial conversion constants table.
File System	SELECT
Compression Command Label	NONE
Science Granules and/or Metadata	Science and Metadata
Data Pool Insertion	Invalid for data pool
Export Urls to ECHO	No
Quality Summary Url	
Spatial Search Type	NotSupported
Global Coverage	Yes
Day/Night Coverage	Yes
24 Hour Coverage	No
Cloud Cover Type & Source	NONE View Details

Apply Change

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Document: Done (1.362 secs)

DPM GUI: Modify Collection Group Page

Data Pool Maintenance GUI -- TS2 MODE - Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://p2dps01.pvc.ecs.nasa.gov:22121/cgi-bin/EcDIDpmManageCollGroups.pl?collAction=2 Search Print

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Modify Collection Group

Data Source	Group ID (Click to manage collection)	Display Name	Description	Check Box to Modify
ECS	ACRM	ACRM	All collections/granules from the ACRIM mission	<input type="checkbox"/>
ECS	AIRA	AIRA	AIRS/AMSU/MHS collections/granules from the Aqua mission	<input type="checkbox"/>
ECS	AMSA	AMSA	AMSR-E collections/granules from the Aqua mission	<input type="checkbox"/>
ECS	AMSR_L1A	AMSR_L1A	AMSR/ADEOS-II L1A Raw Observation Counts	<input type="checkbox"/>
ECS	ASTT	ASTT	ASTER collections/granules from the Terra mission	<input type="checkbox"/>
ECS	ASTTER	ASTTER	Testing for remapping you can remove it	<input type="checkbox"/>
ECS	BRWS	BRWS	Browse collections/granules	<input type="checkbox"/>
ECS	C&DD	C&DD	dddd	<input type="checkbox"/>
ECS	DASP	DASP	Data Assimilation System Products	<input type="checkbox"/>
ECS	GLAS	GLAS	GLAS/ICESat L1B Global Waveform-based Range Corrections Data	<input type="checkbox"/>
ECS	LSR7	LSR7	All collections/granules from the Landsat 7 mission	<input type="checkbox"/>
ECS	MAPPINGASTER	AST_L1BT	Testing for regression Groupid up to 12 characters	<input type="checkbox"/>
ECS	MAPPINGGLA05	MAPPINGGLA05	GLAS/ICESat L1B Global Waveform-based Range Corrections Data	<input type="checkbox"/>

Document: Done (3.89 secs)

DPM GUI: Detailed List of Data Pool Themes Page

Data Pool Maintenance GUI in mode TS2 – Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://p2dps01.pvc.ecs.nasa.gov:22121/cgi-bin/EcDpMThemesFrame.pl Search Print

Mail AIM Home Radio Netscape Search Bookmarks PVC Metrics GNU Emacs Referenc... esdis-proto.gsfc.nas... Members WebMe

Data Pool Maintenance GUI in mode...

Data Pool Maintenance TS2

Home Page Batch Summary List Insert Queue Collection Groups Themes Data Pool File Systems
 Compression Algorithms Cloud Cover Configuration Parameters Aging Parameters Help

Web Visible ☒ ALL ☒ Insert Enabled ☒ ALL ☒ WCS ☒ No ☒ WMS ☒ No ☒ PreConvert ☒ No ☒ Beginning Letters

Detailed list of Data Pool Themes

Theme Name Description	Web	Insert	WCS	WMS	PreConvert	Click on Box to Delete
BE_S5_01 NONE MOD13Q1v004 BE_S5_01 NONE MOD13Q1v004	No	Yes	No	No	No	<input type="checkbox"/>
BE_S5_01 NONE MYD13A2v004 BE_S5_01 NONE MYD13A2v004	No	Yes	No	No	No	<input type="checkbox"/>
BE_S5_01 NONE MYD13Q1v004 BE_S5_01 NONE MYD13Q1v004	No	Yes	No	No	No	<input type="checkbox"/>
NonOWSTheme MOD000.004 Granules not associated with OWS	No	Yes	No	No	No	<input type="checkbox"/>
SYNERGYIV MOD11A1.001	No	Yes	No	No	No	<input type="checkbox"/>

[Add NewTheme](#) [Modify Theme](#)

Legend: Web: Web Visible Insert: Insert Enabled WCS: WCS Enabled WMS: WMS Enabled PreConvert: Preconvert (WMS/WCS only)

Document: Done (2.68 secs)

DPM GUI: Add New Theme Page



Data Pool Maintenance GUI in mode TS2 – Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://p2dps01.pvc.ecs.nasa.gov:22121/cgi-bin/EcDIDpmThemesFrame.pl Search Print

Mail AIM Home Radio Netscape Search Bookmarks PVC Metrics GNU Emacs Referenc... esdis-proto.gsfc.nas... Members WebMa

Data Pool Maintenance GUI in mode...

 **Data Pool Maintenance** TS2 

[Home Page](#) [Batch Summary](#) [List Insert Queue](#) [Collection Groups](#) [Themes](#) [Data Pool File Systems](#)
[Compression Algorithms](#) [Cloud Cover](#) [Configuration Parameters](#) [Aging Parameters](#) [Help](#)

Web Visible ALL Insert Enabled ALL WCS ALL WMS ALL PreConvert ALL Beginning Letters Apply Filter

Add New Theme

Theme Name	Description	Web Visible	Insert Enabled
Theme <input type="text"/>	Description <input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>
WCS	WMS	PreConvert	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[Return to theme list](#)

Document: Done (1.247 secs)

DPM GUI: Modify Theme Page

Data Pool Maintenance GUI in mode TS2 – Netscape

http://p2dps01.pvc.ecs.nasa.gov:22121/cgi-bin/EcDIDpmThemesFrame.pl

Data Pool Maintenance TS2

[Home Page](#)
[Batch Summary](#)
[List Insert Queue](#)
[Collection Groups](#)
[Themes](#)
[Data Pool File Systems](#)

[Compression Algorithms](#)
[Cloud Cover](#)
[Configuration Parameters](#)
[Aging Parameters](#)
[Help](#)

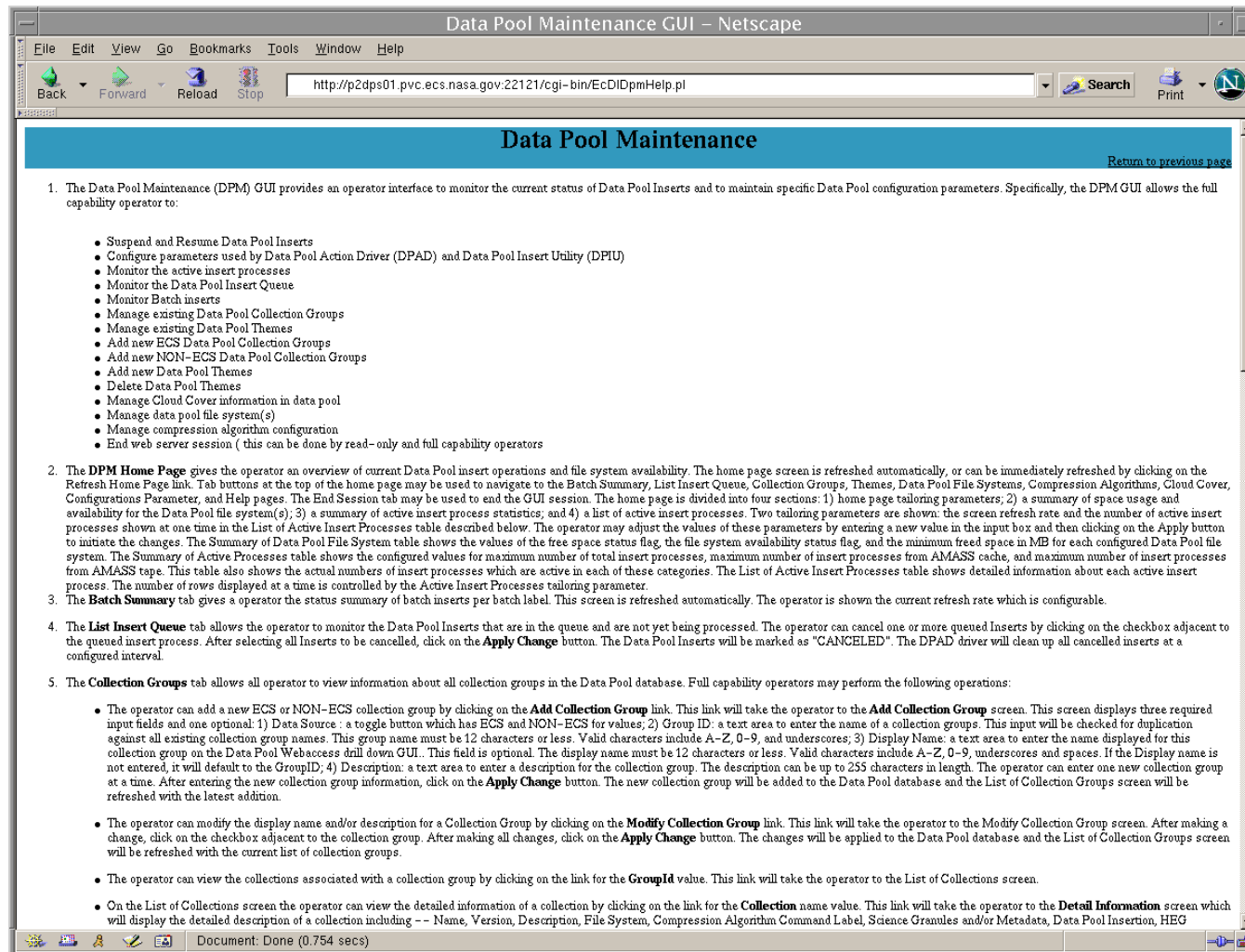
Web Visible ☐ ALL ☒ Insert Enabled ☐ ALL ☒ WCS ☐ No ☒ WMS ☐ No ☒ PreConvert ☐ No ☒ Beginning Letters Apply Filter

Modify Theme

Theme Name	Description	Web Visible	Insert Enabled	WCS	WMS	Pre Convert	Click on Box to Modify
BE_S5_01 Both MYD11A1v004	Both theme for ticket BE_S5_01	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BE_S5_01 NONE MOD13Q1v004	BE_S5_01 NONE MOD13Q1v004	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BE_S5_01 NONE MYD13A2v004	BE_S5_01 NONE MYD13A2v004	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BE_S5_01 NONE MYD13Q1v004	BE_S5_01 NONE MYD13Q1v004	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BE_S5_01 WCS MOD13A2v004	WCS theme for ticket BE_S5_01	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BE_S5_01 WMS MOD11A1v004	WMS theme for ticket BE_S5_01	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CombinedThemeA	MOD11A1.004 B N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CombinedThemeB	MYD11A1.004 B N	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DAACMOD09A1	Testing DAAC scenario	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DAACMOD11A1	TEST	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Document: Done (2.871 secs)

DPM GUI: Help Page



Number of Drivers to Run

- Recommended initial configuration
 - 3 event drivers
 - 3 action drivers
 - 1 recovery driver
 - 1 deletion driver
- **EcNbDriverStart** *<MODE>* d_e d_a d_r d_d
- Increase throughput by doubling number of event and action drivers (i.e., 6 each)
- *isql* query to identify a condition in which action processing lags behind event processing
 - select max(actionDateTime from EcNbActionQueueLog where actionStatus = 'Acquire' or actionStatus = 'ActionNotification')
 - if delay is an hour, try increasing number of action drivers to one and one-half times the number of event drivers (e.g., 6 event drivers and 9 action drivers)

DPM GUI User Messages

Message Text	Impact	Cause and Corrective Action
DB Error: You entered a duplicate collection group name that exists in the database. Please try again	Unable to add a new group id	Duplicate group name is entered. Check the list of group ids and enter a group name consisting of four letters, which is not on the list.
INPUT Error: You entered an invalid group name. Please see help page for more information. Please see section Add Collection Group	Unable to add a new group	Lower case letter is entered. Group id should be all Upper case letters.
INPUT Error: You entered an invalid name. Please see log for more details.	Unable to add a new non-ECS collection	Special characters/small letters are entered.
INPUT Error: You entered an invalid theme name. Please see help page for more information. Please see section: Add New Theme	Unable to add a new theme	Special characters/small letters are entered. Theme names should be in capital letters and without any special characters.
DB Error: Theme can not be null or empty	Unable to add a theme	A null or empty string is entered. Theme name should contain capital, small letters. Space is also allowed but no special characters.

DPM GUI User Messages (Cont.)

Message Text	Impact	Cause and Corrective Action
DB Error: You entered either an existing theme name or a collection or a group name or an ESDT name. Check the log at /usr/ecs/<mode>/CUSTOM /log/EcDIDpmDataPoolGui. log for more details	Unable to add a theme	A name is entered, which is a duplicate name for a group, collection or an ESDT name.
DB Error: This collection is allowed for insertion therefore Spatial Search Type cannot be modified for this collection	Unable to modify Spatial Search type for a collection	Collection is not allowed for insertion. First make the collection allowed for insertion and then try to modify search type
DB Error: Error adding this collection. Collection entry <collection name> <version> already exist	Unable to add a collection.	Duplicate collection name entered. Verify the list of collection and then enter a name, which is unique.
DB Error: Internal error occurred	A db transaction interrupted.	Database connection is lost for network error. No suggestion.
DB Error: delete failed because there are granules associated with this theme	Unable to delete a theme.	There are granules associated with this theme. Disassociate granules from this theme and then delete it.

Data Pool Scripts

- **Update Granule Utility**
 - Updates granule retention period
 - Updates retention priority (optional)
- **Data Pool Cleanup Utility**
 - Removes expired granules from the Data Pool disks and inventory
- **Data Pool Access Statistics Accumulation Utility**
 - Derives statistics from event logs produced by the Data Pool FTP server and the Data Pool Web Access application
 - Statistics are written to a data base that can be used to produce tabular reports for loading/manipulation by a spreadsheet application program

Data Pool Scripts (Cont.)

- **Data Pool Archive Access Statistics Data Utility**
 - Archives the granule access data from the Data Pool database into a tab-delimited ASCII file
- **Data Pool Delete Access Statistics Data Utility**
 - Deletes granule access data in a specified time range from the Data Pool database
- **Data Pool Restore Access Statistics Data Utility**
 - Restores granule access data for a specific time range from an ASCII archive file to the Data Pool database
- **Batch Insert Utility**
 - Inserts ECS data that are already in the archive into the Data Pool

Data Pool Scripts (Cont.)

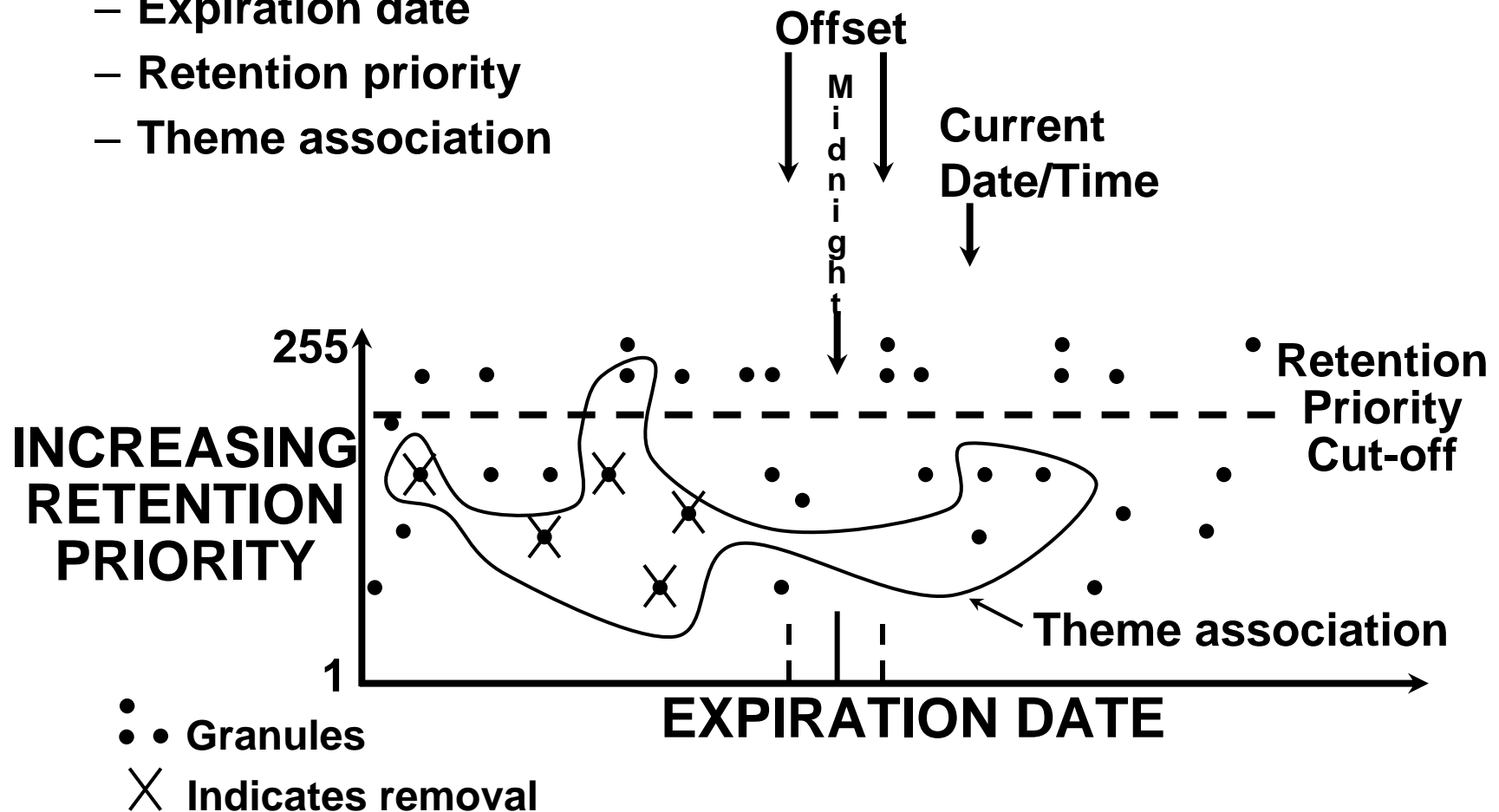
- **Most Recent Data Pool Inserts Utility**
 - Lists the most recent additions to the Data Pool
- **Data Pool Collection-to-Group Remapping Utility**
 - Reassigns a Data Pool collection to a collection group other than the one to which it was originally assigned
- **Data Pool QA Update Utility**
 - Updates the QA data for granules in the Data Pool inventory; both the inventory and the corresponding XML files on disk are updated
- **Data Pool Move Collections Utility**
 - Moves collections from one file system to another
- **Data Pool Hidden Scrambler Utility**
 - Makes the transition to or renames (with encrypted names) hidden directories for order-only granules in the Data Pool

Update Granule Utility

- **Extend retention of data already in Data Pool**
- **Options**
 - **-noprompt:** Suppress prompts and detailed information
 - **-theme:** Specifies a valid theme name (i.e., a character string that matches an existing theme name in the Data Pool inventory)
- **Run for a single granule with command-line input**
 - **-grnid** input parameter specifies granule information
- **Run for multiple granules listed in input file**
 - **-file** input parameter specifies the file use to provide granule data to the utility
- **Run as background process, suppressing all warnings, error messages, prompts**
- **Connects to data base and uses Sybase stored procedures**

Data Pool Cleanup Utility

- Removal of granules that qualify for deletion
 - Expiration date
 - Retention priority
 - Theme association



Data Pool Cleanup Utility (Cont.)

- **Cleanup Utility acts on non-ECS data in the same way as on ECS data**
- **Cleanup Utility can remove granule cross references associated with a given theme, and also the granules if specified**
 - **-themexref specifies a theme for which all cross references are to be removed from the Data Pool**
 - **-theme specifies a theme for which associated granules are to be removed (a granule is not removed if it is associated with other themes)**

Data Pool Cleanup Utility (Cont.)

- **Cleanup Utility reports deletion candidates to ECHO**
 - **-echomode** parameter specifies the method by which deletion candidates are reported to ECHO
 - **-echomode** takes one of three values
 - **predelete** - Cleanup Utility builds the list of items to clean up from the Data Pool and reports them to ECHO through the EcBmBulkURL utility; no data is actually cleaned up from the disks or database inventory
 - **finishdelete** - Cleanup Utility deletes all of the data that was last found during a run with the predelete parameter; EcBmBulkURL utility is not invoked because this run performs the actual cleanup of the database inventory and disks of what was previously reported to ECHO
 - **deleteall** - Cleanup Utility builds its list of items to clean up, actually cleans them up, and notifies ECHO via the EcBmBulkURL utility

Data Pool Cleanup Utility (Cont.)

- **Normal sequence for cleanup is to run the Cleanup Utility twice**
 - Specify predelete for the first run and finishdelete for the second run
 - If a predelete run is performed, the subsequent run must specify finishdelete in order to perform the actual deletions
 - Cleanup Utility enforces the requirement to avoid operator error
- **Cleanup utility permits “validation”**
 - Cleans up “phantoms” (inventory entries without Data Pool data) and “orphans” (Data Pool data without inventory entries)
 - Operator may specify logging discrepancies only, without removals

Data Pool Cleanup Utility (Cont.)

- **Three types of runs can be performed with the Cleanup Utility:**
 - Cleanup only
 - Validation only
 - Cleanup followed by validation
- **In normal operations, the Cleanup Utility is run once a day as a cron job as a "cleanup only" run executing in echo mode of predelete**
- **On a subsequent run within the same 24-hour period, the cleanup utility is run in finishdelete mode to perform the actual cleanup processing that was reported to ECHO in the predelete mode**

Data Pool Access Statistics Utility

- **Processes logs of web access and FTP access and stores results in tables in the Data Pool database**
- **Two versions, each with configuration file**
 - **EcDIRollupWebLogs.pl (EcDIRollupWebLogs.CFG)**
processes web access logs
 - **EcDIRollupFtpLogs.pl (EcDIRollupFtpLogs.CFG)**
processes SYSLOG for FTP entries
- **Captured data are written to a flat file and exported to Sybase**
- **Associated shell scripts**
 - **DIDbArchiveAccessStat**
 - **DIDbDeleteAccessStat**
 - **DIDbRestoreAccessStat**

Data Pool Batch Insert Utility

- **Command-line utility allows insert of granules from the ECS archive or from outside ECS**
 - Queues granules for Data Pool Action Dispatcher (DPAD) and insert by Data Pool Insert Utility (DPIU)
 - Batch label specified by **-label** option
 - Theme association specified by **-theme** option
 - Note: If **-theme** option is used to link granules resident in Data Pool to a theme, and the granules were originally inserted using the Batch Insert Utility, must use a different batch label from that used for original insert into Data Pool
 - **EcDIBatchInsert.pl <MODE> -ecs | nonecs [-file *pathname*]**
[**-theme “*theme-name*”**] [**-label *label***]
[**-rpriority *priority***] [**-rperiod *period***]
[**-dpriority *priority***] [**-mdonly**]
[**-verbose**]

Bulk Metadata Generation Tool (BMGT)

- **Several ECS data collections are created maintained at each site to store the bulk metadata and bulk browse data**
- **Bulk Metadata Generator and Bulk Browse Generator Tools are run daily at each site to populate the data collections**
 - **One metadata product is created per ESDT group per day**
 - **Each product contains an external representation of the metadata for each new, updated, or deleted granule that is a member of the ESDT group**
 - **Format used for the external representation of the metadata is XML**
 - **One bulk browse product is produced per day that contains references to all new, updated, or deleted browse granules**
 - **Value-added providers may use any of the standard ECS search, order, and subscription capabilities to find and order these bulk metadata and browse products**

Bulk Metadata Generation Tool (BMGT) (Cont.)

- **ECS data collections for storing the bulk metadata and bulk browse data**
 - **The ECSMETC and ECSMETG data collections store products that contain metadata for multiple collections and multiple granules**
 - **ECSBBR collection stores products that contain browse product references**
 - **Has a custom acquire service that converts the browse product references into actual browse products during distribution**
 - **ECSMETV collection stores products that contain the entire set of valids contained within the SDSRV database for a particular instance in time**
 - **BMGT places XML products, .met and PDR files in a polling directory for Ingest pick up via the Science Investigator-Led Processing System (SIPS) interface**
 - **After successful archiving, the products are pushed to ECHO via SIPS interface**

Bulk Metadata Generation Tool (BMGT) (Cont.)

- **The distribution of bulk browse products is not a function of BMGT; it is managed by OMS**

Data Pool Hidden Scrambler Utility

- **Running the Data Pool Hidden Scrambler Utility in Rename Mode**
 - **The Data Pool Hidden Scrambler Utility (EcDIHiddenScrambler.pl) can be run in either of the following two modes:**
 - Transition
 - Rename
 - **In transition mode the utility generates hidden directory names and corresponding database entries for every collection defined for Data Pool in the affected operating mode**
 - The transition mode can be used while Data Pool is up
 - The utility should be run in transition mode only once; i.e., the first time the utility is run in any given operating mode
 - Because transition mode is not used during normal operation, it is not described in any detail in this lesson

Data Pool Hidden Scrambler Utility (Cont.)

- **Running the Data Pool Hidden Scrambler Utility in Rename Mode (Cont.)**
 - **In rename mode the utility renames all of the scrambled names to a new scrambled name**
 - This involves updates to the directory in the file system and to the database
 - Links from the FtpPull area (and elsewhere) are preserved
 - Renaming is done during DAAC downtime only
 - **If the Data Pool Hidden Scrambler Utility is interrupted during execution, upon restart it detects failures from the previous run and continues processing whatever was left unprocessed**
 - The operator is given no choice as to recovery
 - Either recovery proceeds or the Data Pool inventory and disk files are in a corrupted state

Data Pool Hidden Scrambler Utility (Cont.)

- **Running the Data Pool Hidden Scrambler Utility in Rename Mode (Cont.)**

WARNING

The Data Pool Hidden Scrambler Utility should be run in transition mode only once; i.e., the first time the utility is run in any given operating mode. In normal operations, the Data Pool Hidden Scrambler Utility is run in rename mode.

Data Pool Order Status & Control

- **For orders place using the Data Pool Web Access tool or the single granule converter dialog for the HDF EOS - GeoTiff (HEG) Converter**
- **Allows operators to view the status of orders and order items**
- **Allows operators to control certain aspects of the order process**
- **Four functional areas:**
 - **Queue Control: Start and stop the HEG Converter Front End server**
 - **Orders: Reports the status of orders**
 - **Order Items: Reports the status of order items**
 - **Help: Provides information on the functions**


DataPool Order Status & Control: Orders Page and Order Details

DataPool: Order Status - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

Location: <http://n0dps01u.ecs.nasa.gov:22000/OPS/order>




 **DataPool Order Status & Control**

[Queue Control](#) | [Orders](#) | [Order Items](#) | [Help](#)

Orders

There are totally [23](#) orders , [1](#) order is currently being processed. There are also [9 failed orders](#) which need operator attention. The filtering status in this page is: No filtering

Filter: ☒ On ☐ Off By Status: Do Filtering

Order ID	Status	E-Mail	User Name	Creation Date	Last Update
32	DONE	hconover@itsc.uah.edu	-	05/15/03	05/15/03
9	DONE	sjsk@nsidc.org	s khalsa	04/15/03	05/15/03
17	DONE	sjsk@nsidc.org	s khalsa	04/18/03	05/15/03
10	DONE	sjsk@nsidc.org	s khalsa	04/15/03	05/15/03
19	DONE	sjsk@nsidc.org	s khalsa	04/21/03	05/15/03
31	FAILOPERN 	btmclean@nsidc.org	-	05/14/03	05/15/03
30	DONE	btmclean@nsidc.org	-	05/14/03	05/14/03
29	DONE	marilynk@nsidc.org	-	05/12/03	05/12/03
27	FAILOPERN 	btmclean@nsidc.org	-	05/02/03	05/06/03
28	FAILOPERN 	btmclean@nsidc.org	-	05/02/03	05/02/03

Rows in Page: Showing 1 - 10 of 23 Orders: < >

Filter: ☒ On ☐ Off By Status: Do Filtering

Document Done

DataPool: Order Details Viewer - Netscape

Order Details Viewer

Current Order/Row is 2 of 23: [First](#) | [Previous](#) | [Next](#) | [Last](#)

Details for Order 10 (#2 of 23)

Order ID: 10
 Status: DONE
 Creation Date: 04/15/03
 Last Update: 05/15/03
 Email: sjsk@nsidc.org
 Real Name: s khalsa

Upper Left Latitude: -
 Upper Left Longitude: -
 Lower Right Latitude: -
 Lower Right Longitude: -

Output Projection:
 (If specified at the Order level. Overrides orderItem geo projection selection.)

Output Format:
 (If specified at the Order level. Overrides orderItem geotiff format selection.)

Current Order/Row is 2 of 23: [First](#) | [Previous](#) | [Next](#) | [Last](#)

DataPool Order Status & Control: Order Items Page and Item Details

DataPool: Item Status - Netscape

File Edit View Go Communicator Help

Location: tu.ecs.nasa.gov:22000/OPS/order.jsessionid=vj1hvtv31?page=item&doFilter=on&submitFilter=yes&orderId=28&sort=itemId

DataPool Order Status & Control

[Queue Control](#) | [Orders](#) | [Order Items](#) | [Help](#)

Items

There are totally [196](#) order items , [1](#) order item is currently being processed. There are also [72 failed order items](#) which need operator attention. The filtering status in this page is: Filter on order 28

Filter: ☒ On ☐ Off By Order ID: Do Filtering By Status: Do Filtering

Rows in Page: Showing: of 4 Order Items: < <

Item ID	Status	Error Code	Granule ID	Input File	Ord
143	DONE	0	2594549	MOST/MOD10A1.004/2003.04.25//MOD10A1.A2003115.h14v09.004.2003122183052.hdf	28
144	DONE	0	2594556	MOST/MOD10A1.004/2003.04.25//MOD10A1.A2003115.h13v09.004.2003122185038.hdf	28
145	FAILED	610 HEG: Opening Input Parameter File	2594544	MOST/MOD10A1.004/2003.04.25//MOD10A1.A2003115.h14v10.004.2003122183034.hdf	28
146	FAILED	610 HEG: Opening Input Parameter File	2594560	MOST/MOD10A1.004/2003.04.25//MOD10A1.A2003115.h13v10.004.2003122185704.hdf	28

Rows in Page: Showing: of 4 Order Items: < <

Filter: ☒ On ☐ Off By Order ID: Do Filtering By Status: Do Filtering

DataPool: Request Details Viewer - Netscape

Order Item Details Viewer

Current Item/Row is 2 of 2: [First](#) | [Previous](#) | Next | [Last](#)

Details for Order Item 38 (#2 of 2)

Item ID: 38
Order ID: 8
Status: DONE
Error Code: 0
Granule ID: 2013176744
Input File: MOLT/MODPT1KN.001/2000.08.25/labtest_2013308902
Output
Projection: nochange
Output
Format: hdfs

Current Item/Row is 2 of 2: [First](#) | [Previous](#) | Next | [Last](#)


DataPool Order Status & Control: Queue Control Page

DataPool: Request Status - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Shop Stop

Bookmarks Location: <http://n0dps01u.ecs.nasa.gov:22000/OPS/order.jsessionid=vj1hvotv31?page=config> What's Related

 **DataPool Order Status & Control**

Queue Control | [Orders](#) | [Order Items](#) | [Help](#)

Processing and Queue Status

HEG Front End Server: **UP** Exit Gracefully Exit Immediately (No Cleanup)

HEG Front End Processing State: Process orders in the order queue

Maximum number of HEG Converter Processes: 10

Maximum Order Queue Size: 100

Apply Changes Reset

U.S. GOVERNMENT COMPUTER

YOU SHOULD HAVE NO EXPECTATION OF PRIVACY
By continuing, you consent in your keystrokes and data content being monitored

;

Document Done

Using the Spatial Subscription Server GUI

- **The Spatial Subscription Server (NBSRV) GUI provides a convenient means of modifying the period of retention in a Data Pool insert subscription and designating a subscription for secure distribution**
 - **This can be done by User Services and/or science personnel, but the archive support personnel should also be familiar with the GUI and its use**
 - **Other tasks done with the Spatial Subscription Server GUI may also be of use to archive personnel**
 - **For example, viewing the acquire and notification actions currently being processed by the Spatial Subscription Server and viewing statistics on the processing of events and actions by the Spatial Subscription Server**

Using the Spatial Subscription Server GUI (Cont.)

- **The Spatial Subscription Server GUI permits an operator to perform the following kinds of activities:**
 - **View subscribable events**
 - **Review existing subscriptions in the Spatial Subscription Server (NBSRV) database**
 - **Add a subscription specifying Data Pool qualification and retention criteria, thus adding a subscription for Data Pool insert to the database**
 - **Create a standard subscription for notification and/or distribution of ECS data products**
 - **Designate a subscription for secure distribution**

Using the Spatial Subscription Server GUI (Cont.)

- **The Spatial Subscription Server GUI permits an operator to perform the following kinds of activities (Cont.):**
 - **Extend the period of retention in a Data Pool insert subscription for new granules from a particular area**
 - **View the acquire and notification actions currently being processed by the Spatial Subscription Server**
 - **View statistics on the processing of events and actions by the Spatial Subscription Server**

Using the Spatial Subscription Server GUI (Cont.)

- **New operator GUI security standards require the following two levels of permissions for the Spatial Subscription Server GUI:**
 - **Full Capability**
 - **Limited Capability**
- **An operator's level of permission is determined when the operator logs in to the GUI using the security login prompt**

Using the Spatial Subscription Server GUI (Cont.)

- **Full-capability operators have the ability to configure parameters and perform all other actions that can be accomplished with the Spatial Subscription Server GUI**
- **Limited-capability operators are able to view a lot of information**
 - **However, on the limited-capability GUI some buttons and links have been disabled so it is not possible to perform certain actions or access certain pages**

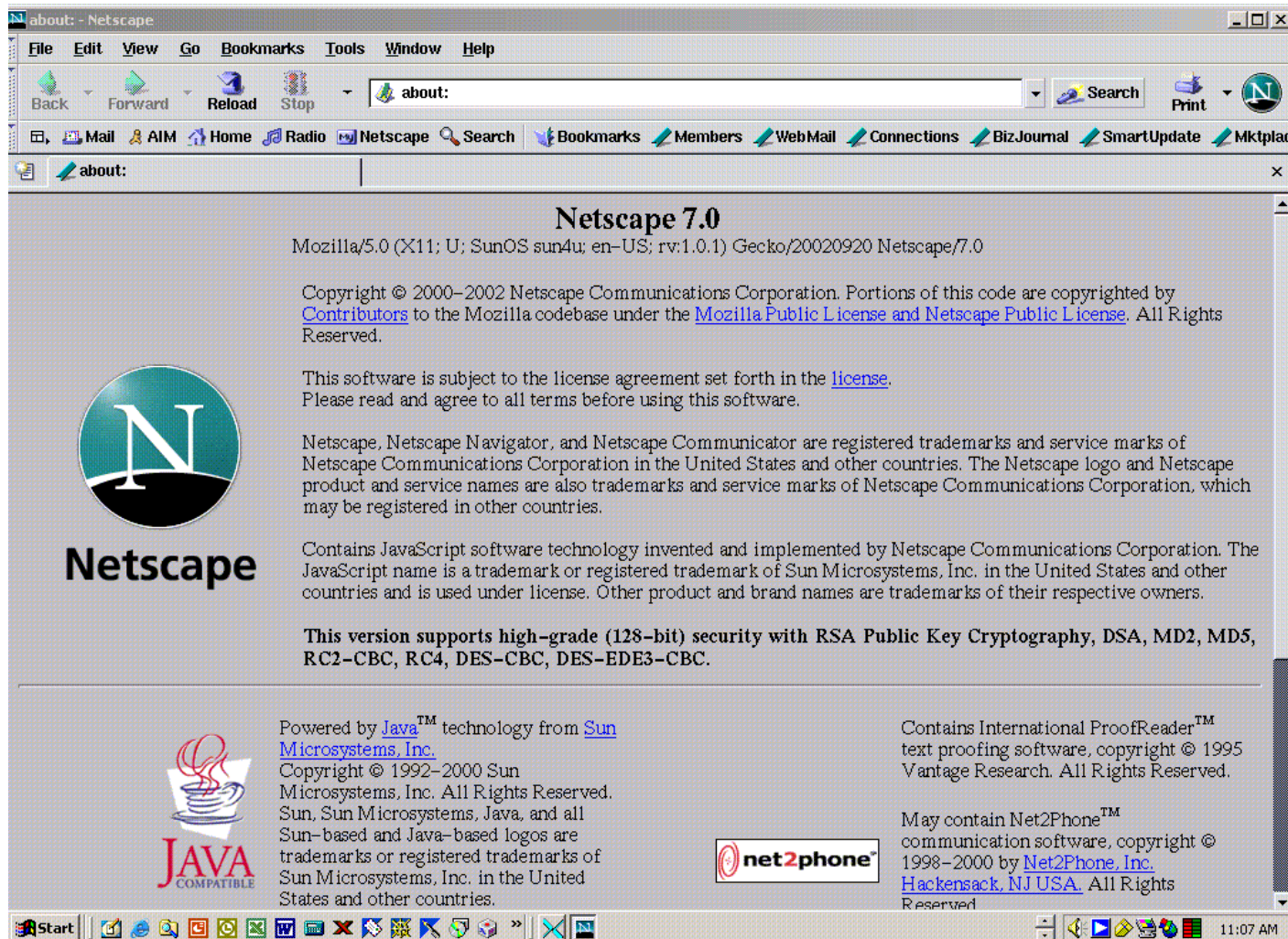
Using the Spatial Subscription Server GUI (Cont.)

- **This lesson provides instruction in the full-capability version of the Spatial Subscription Server GUI. In general, both full-capability operators and limited-capability operators can view the following items:**
 - **Subscribable events**
 - **Subscriptions**
 - **Bundling orders**
 - **Action queue**
 - **Statistics relating to Spatial Subscription Server performance**

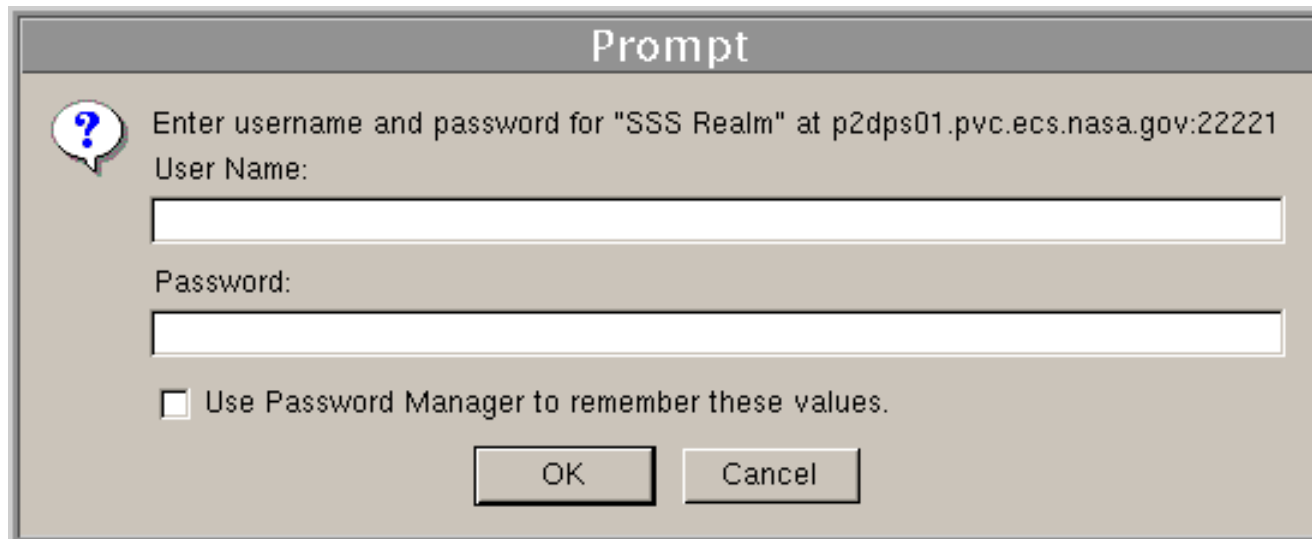
Using the Spatial Subscription Server GUI (Cont.)

- **Full-capability operators only may perform the actions:**
 - Add, update, or delete (cancel) a subscription
 - Configure defaults for a bundling order
 - Add, update, or cancel a bundling order
- **The Spatial Subscription Server GUI is a web application certified for use with Netscape 7 (and higher) browsers**

Netscape Web Browser



Security Login Prompt



A screenshot of a Windows-style security login prompt dialog box. The title bar is grey and contains the word "Prompt" in white. The main area has a light beige background. On the left, there is a blue speech bubble icon with a white question mark. To its right, the text "Enter username and password for 'SSS Realm' at p2dps01.pvc.ecs.nasa.gov:22221" is displayed. Below this, the label "User Name:" is followed by a white text input field. Below that, the label "Password:" is followed by a white password input field. At the bottom left, there is a checkbox with the text "Use Password Manager to remember these values." to its right. At the bottom center, there are two buttons: "OK" and "Cancel".

Prompt

Enter username and password for "SSS Realm" at p2dps01.pvc.ecs.nasa.gov:22221

User Name:

Password:

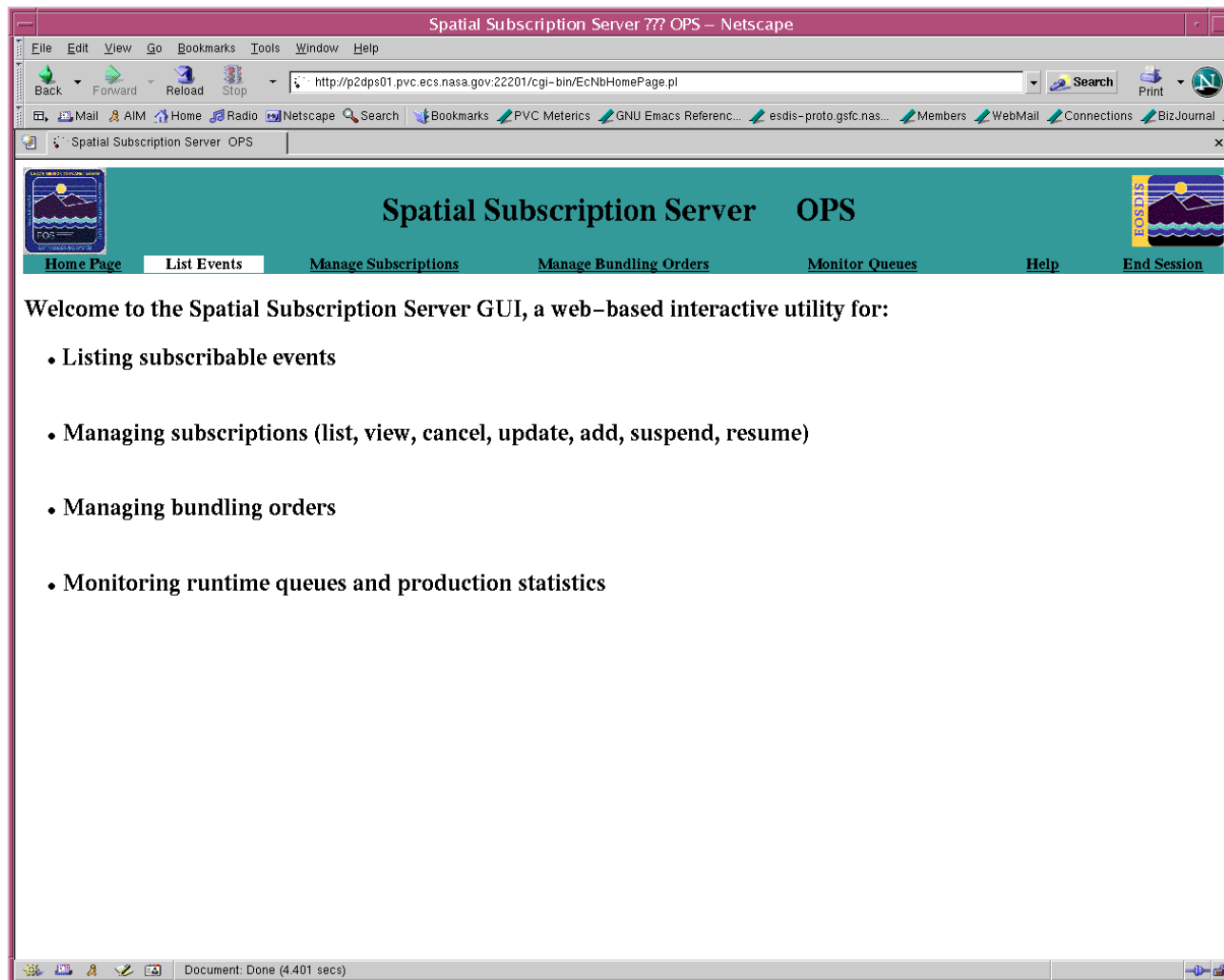
☐ Use Password Manager to remember these values.

OK Cancel

Using the Spatial Subscription Server GUI (Cont.)

- **The Spatial Subscription Server GUI Home Page provides four links for access to pages supporting various tasks:**
 - **List Events:** access to pages for listing subscribable events
 - **Manage Subscriptions:** access to pages for managing subscriptions
 - **Manage Bundling Orders:** access to pages for managing bundling orders
 - **Monitor Queues:** access to pages for monitoring the action queue and listing statistics
- **There is also a Help link providing descriptions of the Spatial Subscription Server functions to provide the operator with assistance in navigating through the GUI**

Spatial Subscription Server GUI Home Page



Spatial Subscription Server GUI



List Events Page

Spatial Subscription Server ??? OPS – Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://p2dps01.pvc.ecs.nasa.gov:22201/cgi-bin/EcNbEventFrame.pl Search Print

Spatial Subscription Server OPS

 **Spatial Subscription Server OPS** 

[Home Page](#) [List Events](#) [Manage Subscriptions](#) [Manage Bundling Orders](#) [Monitor Queues](#) [Help](#)

Collection ☐ ALL ☒ Version ☐ ALL ☒ Event Type ☐ ALL

Collection	Version	EventType
ACR3L20M	001	DELETE
ACR3L20M	001	INSERT
ACR3L20M	001	UPDATEMETADATA
ACR3L2SC	001	DELETE
ACR3L2SC	001	INSERT
ACR3L2SC	001	UPDATEMETADATA
AE_L2A	001	DELETE
AE_L2A	001	INSERT
AE_L2A	001	UPDATEMETADATA
AIR10SCC	001	DELETE
AIR10SCC	001	INSERT
AIR10SCC	001	UPDATEMETADATA
AIR10SCC	077	DELETE
AIR10SCC	077	INSERT
AIR10SCC	077	UPDATEMETADATA
AIR10SCI	001	DELETE

Document: Done (42.497 secs)

Spatial Subscription Server GUI

Manage Subscriptions Page

Spatial Subscription Server ??? OPS – Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://p2dps01.pvc.ecs.nasa.gov:22201/cgi-bin/EcNbSubFrame.pl Search Print

Spatial Subscription Server OPS

Spatial Subscription Server OPS

Home Page List Events **Manage Subscriptions** Add Subscriptions List Themes Monitor Queues Help

User windhoek_anc Collection ALL Status ALL DataPool ALL Filter

Change Collection Display To: TextEntry

Subscription Id	User	Collection	Version	Event Type	Status	DataPool	Start Date	Expiration Date	Time Last Updated
11	NOAA/SOAP	GDAS_0ZF	001	INSERT	Inactive	No	Jan 1 2000 12:00PM	Nov 7 2004 12:00PM	Feb 16 2004 4:28PM
12	NOAA/SOAP	OZONEEP	001	INSERT	Inactive	No	Jan 1 2000 12:00PM	Nov 8 2004 12:00PM	Feb 16 2004 4:29PM
14	NOAA/SOAP	SEA_JCE	001	INSERT	Inactive	No	Jan 1 2000 12:00PM	Nov 8 2004 12:00PM	Feb 16 2004 4:32PM
20	cmops	MOD04_L2	003	INSERT	Inactive	Yes	Jan 1 2000 12:00PM	Nov 9 2008 12:00PM	Feb 16 2004 4:43PM
52	userops	MOD13A1	001	INSERT	Inactive	No	Jan 1 2000 12:00PM	Nov 14 2004 12:00PM	Feb 16 2004 4:45PM
53	userops	MOD09A1	001	INSERT	Inactive	No	Jan 1 2000 12:00PM	Nov 14 2004 12:00PM	Feb 16 2004 4:46PM
54	userops	MOD43B1	001	INSERT	Inactive	No	Jan 1 2000 12:00PM	Nov 14 2004 12:00PM	Feb 16 2004 4:48PM
55	cmops	MOD11A1	001	INSERT	Inactive	Yes	Jan 1 2000 12:00PM	Dec 31 2004 12:00PM	Feb 16 2004 4:49PM
56	cmops	MOD11B1	001	INSERT	Inactive	Yes	Jan 1 2000 12:00PM	Dec 31 2004 12:00PM	Feb 16 2004 4:51PM
58	cmops	MOD13A1	001	INSERT	Inactive	Yes	Jan 1 2000 12:00PM	Dec 31 2004 12:00PM	Feb 16 2004 4:53PM

Document: Done (17.412 secs)

Spatial Subscription Server GUI

Add Subscriptions Page

Spatial Subscription Server 777 OPS - Netscape

http://c4p01.pvc.ecs.nasa.gov:2201/cgi-bin/EchbAddSubscription1B.pl

Spatial Subscription Server OPS

Home Page | List Events | Manage Subscriptions | **Add Subscriptions** | List Themes | Monitor Queues | Help

User ID: cmshared Status: Active Start Date 02/21/2004 Expiration Date 2/21/2005

Short Name / Version / Event Type: MOD021HM 003 INSERT

Subscription Qualifiers

Logical Basis
AND

Integer / Float / Date

Attribute Name/Type	Min Value	Max Value

String

Attribute Name/Type	Value

Spatial

Enter coordinates of intersecting LLBOX

North Latitude

West Longitude East Longitude

South Latitude

Action Information

To bundle the subscription, check here and choose from the list below: ☐ Bundling Order

Bundling Order Selection

0400076765

(After choosing a bundling order, skip to the bottom of the page.)

Otherwise choose one or more actions ☐ Acquire ☐ E-Mail Notification ☐ Data Pool

Enter information below for the actions selected (not applicable for bundled subscriptions)

Acquire Information

User Profile cmshared

User String

Email Address cmshared@pdm02u.ecs.nasa.gov

Media Format FILEFORMAT

Media Type FtpPush

Priority NORMAL

Notify Type MAIL

Information for FtpPush or Secure Copy Distribution (scp) Only

User

Password

Enter password again for verification

Host

Directory

E-Mail Notification Information

Action Address cmshared@pdm02u.ecs.nasa.gov

User String

Metadata

Data Pool Information

Retention Period (in days)

Retention Priority (valid range 1 thru 255)

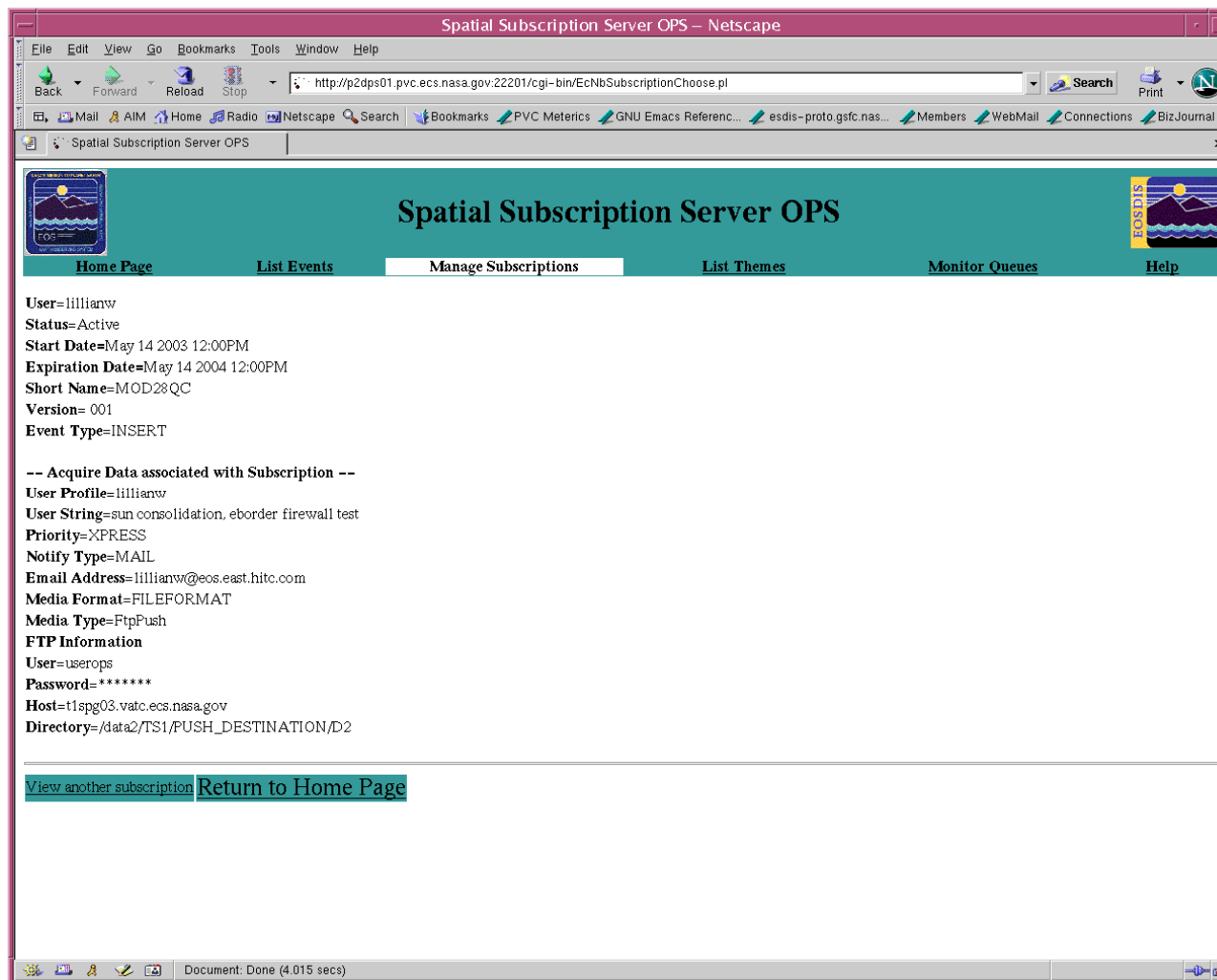
Science Granules and/or Metadata

Check here to add theme: ☐ Enter first few chars of name:

Add Subscription

Spatial Subscription Server GUI

View Subscriptions Page



Spatial Subscription Server GUI Update Subscriptions Page

Update Subscription - Netscape

http://p2.dyn01.pvc.ecs.nasa.gov:22251/cgi-bin/CHSSubscriptionChoose.pl

Spatial Subscription Server OPS

Home Page | List Events | **Manage Subscriptions** | List Themes | Monitor Queues | Help

User ID: [selected] Status: [Active]

Start Date (MM/DD/YYYY HH:MM): [02/10/04 12:00]
Expiration Date (MM/DD/YYYY HH:MM): [02/20/05 12:00]

Subscribe to Event
Short Name / Version / Event Type: MOD021KM 003 INSERT

Subscription Qualifiers

Logical Bands
[AND]

Integer / Float / Date

Attribute Name/Type	Min Value	Max Value
[]	[]	[]
[]	[]	[]
[]	[]	[]
[]	[]	[]

String

Attribute Name/Type	Value
[]	[]
[]	[]
[]	[]
[]	[]

Spatial
Enter coordinates of intersecting LLBOX

North Latitude []
West Longitude [] East Longitude []
South Latitude []

Action Information
To bundle the subscription, check here and choose from the list below: ☐ Bundling Order

Bundling Order Selection
[0400001954]

(After choosing a bundling order, skip to the bottom of the page.)

Otherwise choose one or more actions ☐ Acquire ☐ E-Mail Notification ☐ Data Pool
Enter information below for the actions selected (not applicable for bundled subscriptions)

Acquire Information

User Profile [Full]
User String []
Email Address []
Media Format FILEFORMAT
Media Type [FtpPush]
Priority [HIGH]
Notify Type MAIL
Information for FtpPush and Secure Copy Distribution (scp) Only
User []
Password []
Enter password again for verification []
Host []
Directory []

E-Mail Notification Information

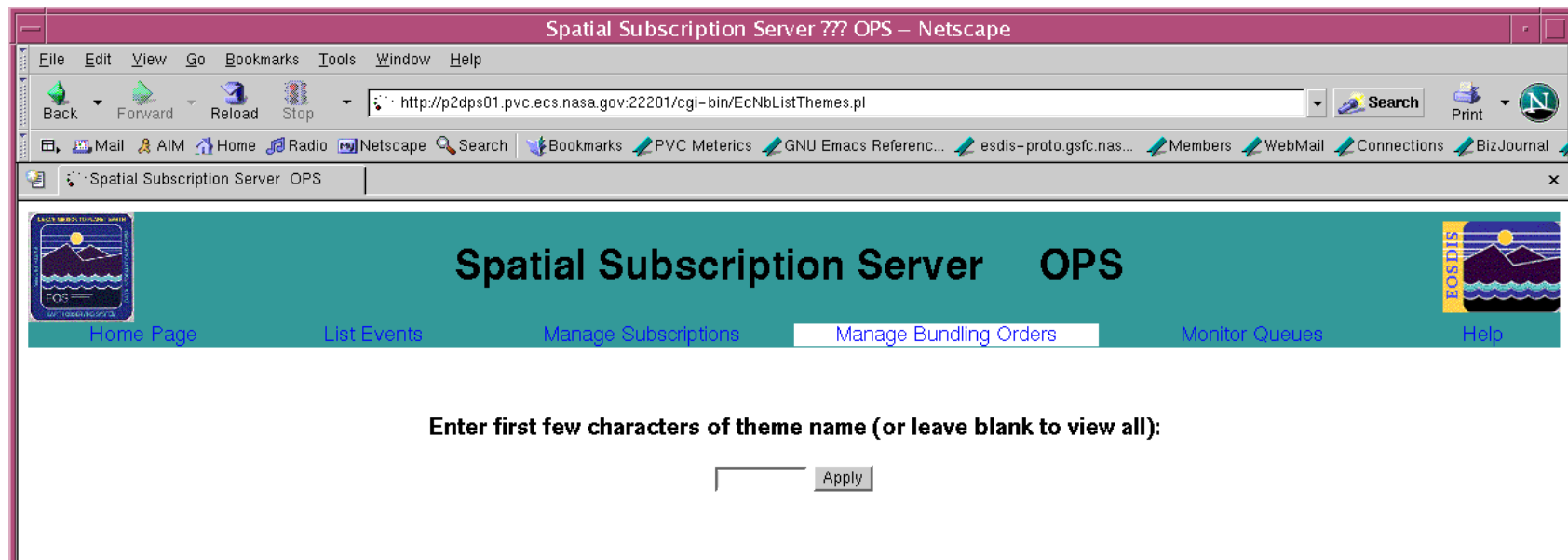
Action Address []
User String []
Metadata []

Data Pool Information

Retention Period [] (in days)
Retention Priority [] (valid range 1 thru 255)
Science Granules and/or Metadata []
Check here to add theme: ☐ Enter first few chars of name: []

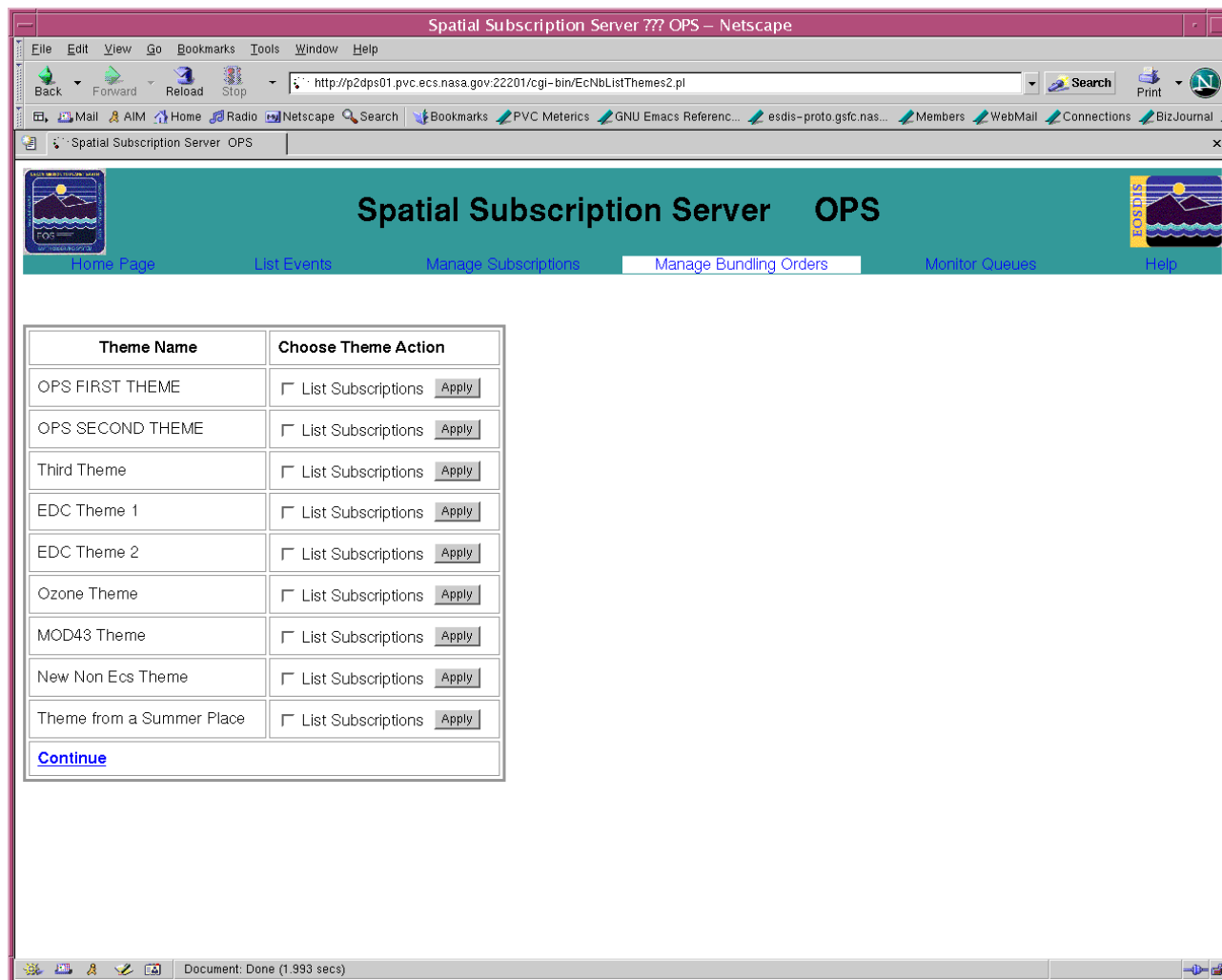
Update Subscription

Spatial Subscription Server GUI List Themes Request Page



Spatial Subscription Server GUI

Theme List Page



Spatial Subscription Server GUI

List Subscriptions for Theme Page


Spatial Subscription Server ??? OPS – Netscape

File Edit View Go Bookmarks Tools Window Help


Back Forward Reload Stop Search Print

Mail AIM Home Radio Netscape Search Bookmarks PVC Metrics GNU Emacs Referenc... esdis-proto.gsfc.nas... Members WebMail Connections BizJournal

Spatial Subscription Server OPS



Spatial Subscription Server OPS



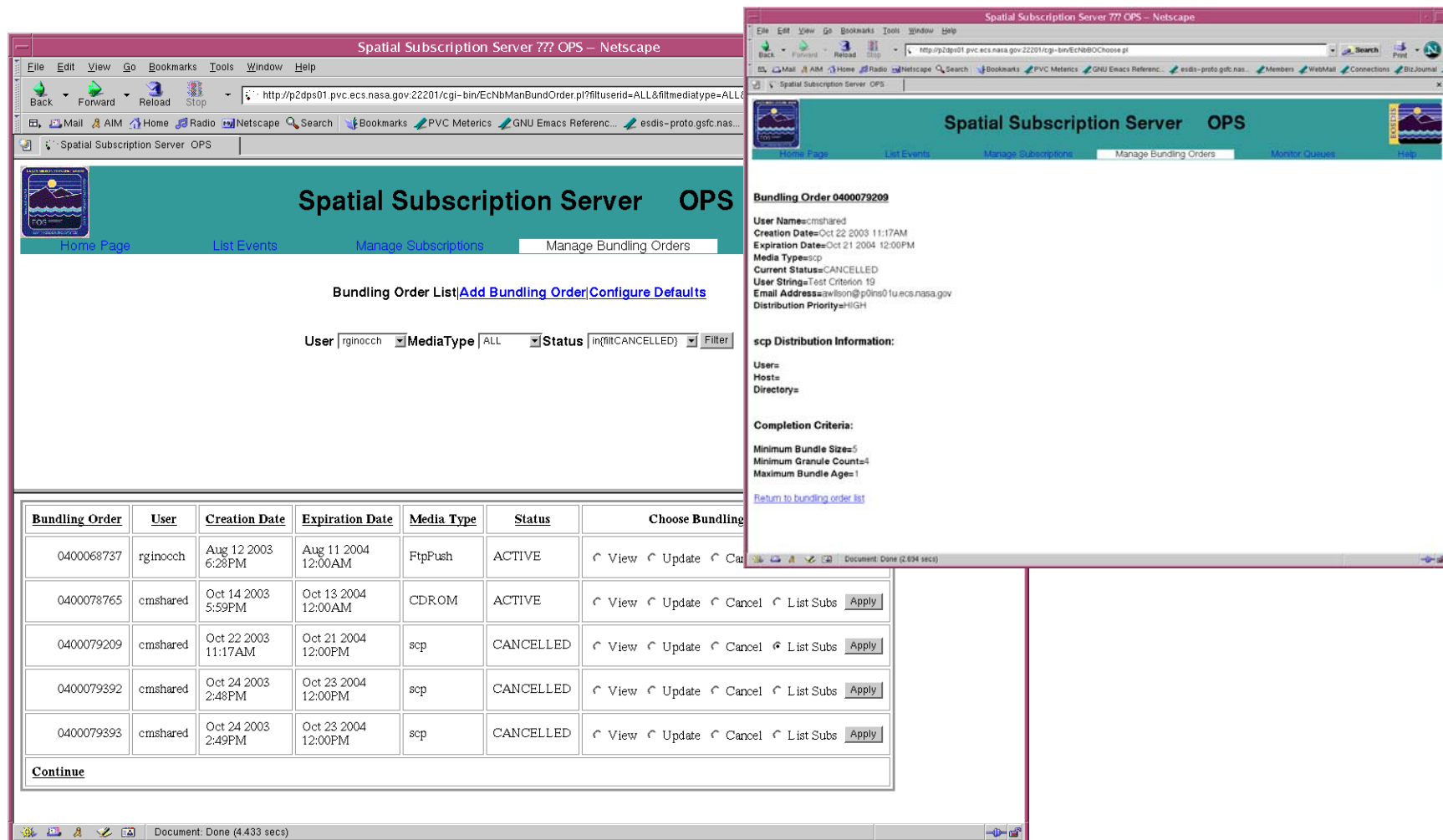
[Home Page](#) [List Events](#) [Manage Subscriptions](#) [Manage Bundling Orders](#) [Monitor Queues](#) [Help](#)

Subscriptions for theme OPS FIRST THEME

ID	User	Status	Expiration Date	ESDT ShortName/Version/EventType	Choose Subscription Action
618	cmops	Active	Apr 9 2004 12:00AM	DFLAPCHM 1 INSERT	View Update Cancel Apply
619	cmops	Active	Apr 9 2004 12:00AM	DFLAXCHM 1 INSERT	View Update Cancel Apply
620	cmops	Active	Apr 9 2004 12:00AM	MODOCL2 1 INSERT	View Update Cancel Apply
621	cmops	Active	Apr 9 2004 12:00PM	MODOCL2A 1 INSERT	View Update Cancel Apply
1104	cmshared	Canceled	Feb 21 2004 2:35PM	MOD021KM 3 INSERT	View Update Cancel Apply
					Suspend All Resume All Cancel All Apply

Document: Done (2.004 secs)

Spatial Subscription Server GUI Manage Bundling Orders Page



Spatial Subscription Server OPS

Home Page List Events Manage Subscriptions **Manage Bundling Orders** Monitor Queues Help

Bundling Order List [Add Bundling Order](#) [Configure Defaults](#)

User: MediaType: Status: Filter

Bundling Order	User	Creation Date	Expiration Date	Media Type	Status	Choose Bundling
0400068737	rginocch	Aug 12 2003 6:28PM	Aug 11 2004 12:00AM	FtpPush	ACTIVE	View Update Cancel
0400078765	cmshared	Oct 14 2003 5:59PM	Oct 13 2004 12:00AM	CDROM	ACTIVE	View Update Cancel List Subs Apply
0400079209	cmshared	Oct 22 2003 11:17AM	Oct 21 2004 12:00PM	scp	CANCELLED	View Update Cancel List Subs Apply
0400079392	cmshared	Oct 24 2003 2:48PM	Oct 23 2004 12:00PM	scp	CANCELLED	View Update Cancel List Subs Apply
0400079393	cmshared	Oct 24 2003 2:49PM	Oct 23 2004 12:00PM	scp	CANCELLED	View Update Cancel List Subs Apply

[Continue](#)

Bundling Order 0400079209

User Name: cmshared
 Creation Date: Oct 22 2003 11:17AM
 Expiration Date: Oct 21 2004 12:00PM
 Media Type: scp
 Current Status: CANCELLED
 User String: Test Criterion 19
 Email Address: sawilson@pols01u.ecs.nasa.gov
 Distribution Priority: HIGH

scp Distribution Information:

Users:
 Hosts:
 Directory:

Completion Criteria:

Minimum Bundle Size: 5
 Minimum Granule Count: 4
 Maximum Bundle Age: 1

[Return to bundling order list](#)

Spatial Subscription Server GUI

Add Bundling Order Page

The screenshot shows a Netscape browser window titled "Spatial Subscription Server ??? OPS - Netscape". The address bar displays the URL "http://p2dps01.pvc.ecs.nasa.gov:22201/cgi-bin/EcNbAddBundle.pl". The browser's menu bar includes File, Edit, View, Go, Bookmarks, Tools, Window, and Help. The toolbar contains buttons for Back, Forward, Reload, Stop, Search, and Print. A bookmarks bar is visible with links to Mail, AIM, Home, Radio, Netscape, Search, Bookmarks, PVC Metrics, GNU Emacs Referenc..., esdis-proto.gsfc.nas..., Members, WebMail, Connections, and BizJournal. The page header features a logo on the left, the title "Spatial Subscription Server OPS" in the center, and another logo on the right. Below the header is a navigation bar with links: Home Page, List Events, Manage Subscriptions, Manage Bundling Orders (highlighted), Monitor Queues, and Help. The main content area displays a link structure: [Bundling Order List](#) | [Add Bundling Order](#) | [Configure Defaults](#). The "Add Bundling Order" form is centered and contains the following fields: "UserID" with an empty text box, "Expiration Date" with a text box containing "02/20/2005" and a hint "(mm/dd/yyyy)", and "Media Type" with a dropdown menu showing "CDROM" and a checkmark. At the bottom of the form are "continue" and "clear" buttons. The status bar at the bottom of the browser window shows "Document: Done (3.278 secs)".



Spatial Subscription Server ??? OPS - Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://p2dps01.pvc.ecs.nasa.gov:22201/cgi-bin/EcNbAddBundle.pl Search Print

Mail AIM Home Radio Netscape Search Bookmarks PVC Metrics GNU Emacs Referenc... esdis-proto.gsfc.nas... Members WebMail Connections BizJournal

Spatial Subscription Server OPS

 Spatial Subscription Server OPS 

[Home Page](#) [List Events](#) [Manage Subscriptions](#) [Manage Bundling Orders](#) [Monitor Queues](#) [Help](#)

[Bundling Order List](#) | [Add Bundling Order](#) | [Configure Defaults](#)

Add Bundling Order

UserID

Expiration Date 02/20/2005 (mm/dd/yyyy)

Media Type CDROM ☒

Document: Done (3.278 secs)

Spatial Subscription Server GUI

Add Bundling Order: Data Pages

Hard Media

The screenshot shows the 'Add Bundling Order' form in the Spatial Subscription Server GUI. The form is titled 'Add Bundling Order' and contains the following fields:

- User ID: cmshard
- Expiration Date: 11/13/2003
- Media Type: CDROM
- Email Address: [text input]
- User String: [text input]
- Distribution Priority: Xpress
- Shipping Information:
 - Street1: [text input]
 - Street2: [text input]
 - Street3: [text input]
 - City: [text input]
 - State: [text input]
 - Country: [text input]
 - Zip Code: [text input]
 - Phone number: [text input]
 - FAX number: [text input]
- Completion Criteria:
 - Minimum Bundle Size (GB): [text input]
 - Minimum Granule Count: [text input]
 - Maximum Bundle Age (days): [text input]

At the bottom of the form are 'Add Bundling Order' and 'reset' buttons.

FTP Push

The screenshot shows the 'Add Bundling Order' form in the Spatial Subscription Server GUI for FTP Push. The form is titled 'Add Bundling Order' and contains the following fields:

- User ID: cmshard
- Expiration Date: 11/13/2003
- Media Type: FtpPush
- Email Address: [text input]
- User String: [text input]
- Distribution Priority: Xpress
- FtpPush Parameters:
 - FTP Username: [text input]
 - FTP Host: [text input]
 - FTP Password: [text input]
 - Retry Password: [text input]
 - FTP Directory: [text input]
- Completion Criteria:
 - Minimum Bundle Size (GB): [text input]
 - Minimum Granule Count: [text input]
 - Maximum Bundle Age (days): [text input]

At the bottom of the form are 'Add Bundling Order' and 'reset' buttons.

FTP Pull

The screenshot shows the 'Add Bundling Order' form in the Spatial Subscription Server GUI for FTP Pull. The form is titled 'Add Bundling Order' and contains the following fields:

- User ID: cmshard
- Expiration Date: 11/13/2003
- Media Type: FtpPull
- Email Address: [text input]
- User String: [text input]
- Distribution Priority: Xpress
- Completion Criteria:
 - Minimum Bundle Size (GB): [text input]
 - Minimum Granule Count: [text input]
 - Maximum Bundle Age (days): [text input]

At the bottom of the form are 'Add Bundling Order' and 'reset' buttons.

Spatial Subscription Server GUI

Add Bundling Order: Data Pages

SCP

Spatial Subscription Server ??? OPS - Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://p2ins03.pvc.ecs.nasa.gov Search Print

Home Page List Events Manage Subscriptions Manage Bundling Orders Monitor Queues Help

Add Bundling Order

User ID: cmshared

Expiration Date: 10/21/2004

Media Type: scp

Email Address: cmshared@p2ins02.pvc

User String:

Distribution Priority: **NORMAL**

Spatial Subscription Server ??? OPS - Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://p2ins03.pvc.ecs.nasa.gov Search Print

Home Page List Events Manage Subscriptions Manage Bundling Orders Monitor Queues Help

scp Parameters

Username:

Host:

Password:

Retype:

Password:

Directory:

Completion Criteria

Minimum Bundle:

Size(GB):

Minimum Granule:

Count:

Maximum Bundle:

Age(days):

* required field

Add Bundling Order reset

Document: Done (5.384 secs)

Spatial Subscription Server GUI Update Bundling Order Page

The screenshot shows a Netscape browser window titled "Spatial Subscription Server ??? OPS - Netscape". The address bar contains the URL: `http://p2dps01.pvc.ecs.nasa.gov:22201/cgi-bin/EcNbUpdateBundlingOrder.pl?userid=cmshared&mediatype=scp&status=CANCEL`. The browser's menu bar includes File, Edit, View, Go, Bookmarks, Tools, Window, and Help. The toolbar features buttons for Back, Forward, Reload, Stop, Search, and Print. A bookmarks bar is visible with links to Mail, AIM, Home, Radio, Netscape, Search, Bookmarks, PVC Metrics, GNU Emacs Referenc..., esdis-proto.gsfc.nas..., Members, WebMail, Connections, and BizJournal. The page content has a teal header with the title "Spatial Subscription Server OPS" and a navigation bar with links: Home Page, List Events, Manage Subscriptions, Manage Bundling Orders (highlighted), Monitor Queues, and Help. The main content area is titled "Update Bundling Order 0400079209" and includes a link to return to the Bundling Order list. Below this is a form with fields for UserID (cmshared), Expiration Date (10/21/2004 12:00), and Physical Media Type (scp). At the bottom are "Update Bundling Order" and "reset" buttons.

Spatial Subscription Server OPS

Home Page List Events Manage Subscriptions **Manage Bundling Orders** Monitor Queues Help

Update Bundling Order 0400079209

(Click [here](#) to go back to the Bundling Order list.)

UserID

Expiration Date (MM/DD/YYYY HH:MM)

Physical Media Type

Spatial Subscription Server GUI Update Bundling Order: Data Pages

FTP Push

Spatial Subscription Server DEV05 - Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://3ins01.htc.com:22235/cgi-bin/EcNbModBundlingOrder Search Print

Spatial Subscription Server DEV05

Update Bundling Order 0400011767

UserID labuser
Expiration Date 8/3/2005 12:00
Media Type FtpPush
Email Address labuser@eos.htc.com
User String testing
Distribution Priority HIGH ☒

FtpPush Parameters:

FTP Username labuser
FTP Host origin
FTP Password
Retype Password
FTP Directory /devdata1/DEV01/PushArea

Completion Criteria:

Minimum Bundle Size(GB) 1
Minimum Granule Count 2
Maximum Bundle Age(days) 1
* required field

Update Bundling Order reset

FTP Pull

Spatial Subscription Server DEV05 - Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://3ins01.htc.com:22235/cgi-bin/EcNbModBundlingOrder Search Print

Spatial Subscription Server DEV05

Home Page List Events Manage Subscriptions Manage Bundling Orders Monitor Queues Help

Update Bundling Order 0400012116

UserID labuser
Expiration Date 12/4/2003 12:00
Media Type FtpPull
Email Address labuser@eos.htc.com
User String Test User
Distribution Priority NORMAL ☒

Completion Criteria:

Minimum Bundle Size(GB) 54
Minimum Granule Count 3
Maximum Bundle Age(days) 3
* required field

Update Bundling Order reset

SSS GUI: Configure Bundling Order Completion Criteria Defaults

Spatial Subscription Server ??? OPS – Netscape

http://p2dps01.pvc.ecs.nasa.gov:22201/cgi-bin/EcNbConfigureBO.pl

Spatial Subscription Server OPS

Home Page List Events Manage Subscriptions **Manage Bundling Orders** Monitor Queues Help

[Bundling Order List](#) [Add Bundling Order](#) [Configure Defaults](#)

Configure Completion Criteria Default Values

Parameter	Current Value	Change to...
Minimum Granule Count	10	
Maximum Bundle Age(days)	1	
Bundle Expiration Period(days)	365	
8MM		
Minimum Bundle Size(GB)	20	
CDROM		
Minimum Bundle Size(GB)	1	
DLT		
Minimum Bundle Size(GB)	94	
DVD		
Minimum Bundle Size(GB)	12	
FtpPull		
Minimum Bundle Size(GB)	54	
FtpPush		
Minimum Bundle Size(GB)	40	
scp		
Minimum Bundle Size(GB)	40	

Change Bundling Criteria Reset

Document: Done (2.649 secs)

Spatial Subscription Server ??? OPS – Netscape

http://p2dps01.pvc.ecs.nasa.gov:22201/cgi-bin/EcNbConfigureBO.pl

Spatial Subscription Server OPS

Home Page List Events Manage Subscriptions **Manage Bundling Orders** Monitor Queues Help

Please Confirm The Following Bundling Criteria Change

Maximum Bundle Age(days): 2

OK Cancel

Document: Done (2.381 secs)

Spatial Subscription Server GUI

List Action Queue Page

Spatial Subscription Server ??? OPS – Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://p2dps01.pvc.ecs.nasa.gov:22201/cgi-bin/EcNbActionFrame.pl Search Print

Mail AIM Home Radio Netscape Search Bookmarks PVC Metrics GNU Emacs Referenc... esdis-proto.gsfc.nas... Members WebMail Connections BizJournal

Spatial Subscription Server OPS

Spatial Subscription Server OPS

Home Page List Events Manage Subscriptions **List Action Queue** List Statistics Help

Action Type ALL Subscription ALL Status ALL Filter

Action Type	Subscription Id	User	Collection	Version	Enqueue Time	Dequeue Time	Status
Notify	1010	cmshared	MI1B2E	001	Jan 28 2004 8:03PM	Jan 28 2004 8:03PM	DequeuedAction
Acquire	1010	cmshared	MI1B2E	001	Jan 28 2004 8:03PM	Jan 28 2004 8:03PM	DequeuedAction
Notify	1070	cmshared	AST_L1B	001	Jan 28 2004 7:23PM	Jan 28 2004 7:23PM	DequeuedAction
Acquire	1070	cmshared	AST_L1B	001	Jan 28 2004 7:23PM	Jan 28 2004 7:23PM	DequeuedAction
Acquire	943	cmshared	MOD35_L2	077	Jan 28 2004 5:58PM	Jan 28 2004 6:18PM	DequeuedAction
Acquire	933	cmshared	MOD35_L2	077	Jan 28 2004 5:58PM	Jan 28 2004 6:18PM	DequeuedAction
Acquire	750	PrivUser	MOD35_L2	077	Jan 28 2004 5:58PM	Jan 28 2004 6:18PM	DequeuedAction
Acquire	933	cmshared	MOD35_L2	077	Jan 28 2004 5:58PM	Jan 28 2004 6:18PM	DequeuedAction
Acquire	750	PrivUser	MOD35_L2	077	Jan 28 2004 5:58PM	Jan 28 2004 6:18PM	DequeuedAction
Acquire	933	cmshared	MOD35_L2	077	Jan 28 2004 5:58PM	Jan 28 2004 6:18PM	DequeuedAction
Acquire	750	PrivUser	MOD35_L2	077	Jan 28 2004 5:58PM	Jan 28 2004 6:18PM	DequeuedAction
Acquire	742	PrivUser	MOD07_L2	077	Jan 28 2004 5:58PM	Jan 28 2004 6:18PM	DequeuedAction

Document: Done (15.836 secs)

Spatial Subscription Server GUI

List Statistics Page

Spatial Subscription Server ??? OPS – Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://p2dps01.pvc.ecs.nasa.gov:22201/cgi-bin/EcNbListStatistics.pl Search Print

Spatial Subscription Server OPS

Spatial Subscription Server OPS

Home Page List Events Manage Subscriptions List Action Queue **List Statistics** List Failed ActionHelp

Subscribed Events Left to Dequeue

0

Matched Subscriptions Left to Dequeue

0

Summary of the Processing Time for Subscriptions Evaluated against Events in the Event Queue

ESDT Count	ESDT ShortName	ESDT VersionID	ESDT Event Type	MaxMetadataTime (ms)	AverageMetadataTime (ms)	MaxSubEvalTime (ms)	AverageSubEvalTime (ms)
29	AIRAASCI	77	INSERT	124733	48733	8913	4118
2	AIRABDBR	77	INSERT	39230	31761	4760	3311
18	AIRABRAD	77	INSERT	156440	74583	7196	4420
40	AIRBAQAP	77	INSERT	157463	73065	7750	3945
2	AST_L1B	1	INSERT	4643	4643	3783	3783
2	MOD01	3	INSERT	970	970	5903	5903
45	MOD04_L2	77	INSERT	24403	8373	2960	2347

Summary of the Processing Time for E-Mail Notification Actions in Action Queue

Notification Count	MaxNotifyTime (ms)	AverageNotifyTime (ms)

Document: Done (2.381 secs)



Spatial Subscription Server GUI

List Failed Action Page

Spatial Subscription Server ??? TS2 – Netscape

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop Search Print

 **Spatial Subscription Server TS2** 

[Home Page](#) [List Events](#) [Manage Subscriptions](#) [List Action Queue](#) [List Statistics](#) [List Failed Action](#) [Help](#)

Userld	Priority	Actionld	ActionQueueId	Eventld	Subscriptionld	granUR	EnqueueTime	Remove Action
PrivUser	1	16524	16543	35277	687	UR:10:DsShESDTUR:UR:15:DsShSciServerUR:13:[PVC:DSSDSRV]:20:SC:M1B2E.001:120159	Mar 31 2004 4:45PM	Remove Action
PrivUser	1	16528	16544	35278	686	UR:10:DsShESDTUR:UR:15:DsShSciServerUR:13:[PVC:DSSDSRV]:20:SC:M1B2T.001:120160	Mar 31 2004 4:45PM	Remove Action
PrivUser	1	16671	16673	35864	686	UR:10:DsShESDTUR:UR:15:DsShSciServerUR:13:[PVC:DSSDSRV]:20:SC:M1B2T.001:121605	Jun 7 2004 5:52PM	Remove Action
PrivUser	1	21407	21411	39192	687	UR:10:DsShESDTUR:UR:15:DsShSciServerUR:13:[PVC:DSSDSRV]:20:SC:M1B2E.001:126749	Feb 1 2005 7:31PM	Remove Action
PrivUser	1	21408	21412	39193	686	UR:10:DsShESDTUR:UR:15:DsShSciServerUR:13:[PVC:DSSDSRV]:20:SC:M1B2T.001:126750	Feb 1 2005 7:36PM	Remove Action